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A

1	Q	I	V	L	T	Q	S	P	A	I	M	S	A	S	P	G	E	K	V	T
1	D	I	Q	M	T	Q	S	P	S	T	L	S	A	S	V	G	D	R	V	T
21	I	T	C	S	A	S	S	S	I		S	Y	M	H	W	F	Q	Q	K	P
21	I	T	C	R	A	S	Q	S	I	N	T	W	L	A	W	V	Q	Q	K	P
40	G	T	S	P	K	L	W	I	Y	T	T	S	N	L	A	S	G	V	P	A
41	G	K	A	P	K	L	L	<u>M</u>	Y	<u>K</u>	A	S	S	L	E	S	G	V	P	<u>S</u>
60	R	F	S	G	S	G	S	G	T	S	Y	S	L	T	I	S	R	M	E	A
61	R	F	<u>I</u>	G	S	G	S	G	T	E	F	T	L	T	I	S	S	L	Q	P
80	E	D	A	A	T	Y	Y	C	H	Q	R	S	T	Y	P	L	T	F	G	S
81	D	D	F	A	T	Y	Y	C	<u>Q</u>	<u>Q</u>	<u>Y</u>	<u>N</u>	<u>S</u>	<u>D</u>	<u>S</u>	<u>K</u>	<u>M</u>	<u>F</u>	<u>G</u>	<u>Q</u>
100	G	T	K	L	E	L	K													
101	G	T	K	V	E	V	K													

1	Q	V	Q	L	Q	Q	S	G	A	E	L	A	K	P	G	A	S	V	K	M
1	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	S	S	V	K	V
21	S	C	K	A	S	G	Y	T	F	T	S	Y	R	M	H	W	V	K	Q	R
21	S	C	K	A	S	G	<u>G</u>	T	F	<u>S</u>	R	S	A	I	I	W	V	R	Q	A
41	P	G	Q	G	L	E	W	I	G	Y	I	N	P	S	T	G	Y	T	E	Y
41	P	G	Q	G	L	E	W	<u>M</u>	G	<u>G</u>	<u>I</u>	<u>V</u>	<u>P</u>	<u>M</u>	<u>F</u>	<u>G</u>	<u>P</u>	<u>P</u>	<u>N</u>	<u>Y</u>
61	N	Q	K	F	K	D	K	A	T	L	T	A	D	K	S	S	S	T	A	Y
61	<u>A</u>	<u>Q</u>	<u>K</u>	<u>F</u>	<u>Q</u>	<u>G</u>	<u>R</u>	<u>V</u>	T	I	T	A	D	E	S	S	T	N	T	A
81	M	Q	L	S	S	L	T	F	E	D	S	A	V	Y	Y	C	A	R	G	
81	M	E	L	S	S	L	R	S	E	D	T	A	<u>F</u>	Y	<u>F</u>	C	A	<u>G</u>	<u>G</u>	<u>Y</u>
100	G	G	V	F	D	Y	W	G	Q	G	T	T	L	T	V	S	S			
101	<u>G</u>	<u>I</u>	<u>Y</u>	<u>S</u>	<u>P</u>	<u>E</u>	<u>E</u>	<u>Y</u>	<u>N</u>	G	<u>G</u>	L	V	T	V	S	S			

Figure 1

A

1	D	I	V	L	T	Q	S	P	A	S	L	A	V	S	L	G	Q	R	A	T
1	E	I	V	M	T	Q	S	P	<u>A</u>	T	L	S	V	S	P	G	E	R	A	T
21	I	S	C	R	A	S	Q	S	V	S	T	S	T	Y	N	Y	M	H	W	Y
21	L	S	C	<u>R</u>	A	S	Q	S	V	S	T	S	T	Y	N	Y	M	H	W	Y
41	Q	Q	K	P	G	Q	P	P	K	L	L	I	K	Y	A	S	N	L	E	S
41	Q	Q	K	P	<u>G</u>	<u>Q</u>	S	P	R	L	L	I	<u>K</u>	<u>Y</u>	<u>A</u>	<u>S</u>	<u>N</u>	<u>L</u>	<u>E</u>	<u>S</u>
61	G	V	P	A	R	F	S	G	S	G	F	G	T	D	F	T	L	N	I	H
61	G	I	P	A	R	F	S	G	S	G	S	G	T	E	F	T	L	T	I	S
81	P	V	E	E	E	D	T	V	T	Y	Y	C	Q	H	S	W	E	I	P	Y
81	<u>R</u>	L	<u>E</u>	S	E	D	F	A	V	Y	Y	C	<u>Q</u>	<u>H</u>	<u>S</u>	<u>W</u>	<u>E</u>	<u>I</u>	<u>P</u>	<u>Y</u>
101	T	F	G	G	G	T	K	L	E	I	K									
101	T	F	G	Q	G	T	R	V	E	I	K									
81																				
101	E	M	I	L	V	E	S	G	G	G	L	V	K	P	G	A	S	L	K	L
101	E	V	Q	L	L	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L
21	S	C	A	A	S	G	F	T	F	S	N	Y	G	L	S	W	V	R	Q	T
21	S	C	A	A	S	G	F	T	F	S	<u>N</u>	<u>Y</u>	<u>G</u>	<u>L</u>	<u>S</u>	<u>W</u>	<u>V</u>	<u>R</u>	<u>Q</u>	<u>A</u>
41	S	D	R	R	L	E	W	V	A	S	I	S	R	G	G	G	R	I	Y	S
41	P	G	K	G	L	E	W	V	A	<u>S</u>	<u>I</u>	<u>S</u>	<u>R</u>	<u>G</u>	<u>G</u>	<u>G</u>	<u>R</u>	<u>I</u>	<u>Y</u>	<u>S</u>
61	P	D	N	L	K	G	R	F	T	I	S	R	E	D	A	K	N	T	L	Y
61	<u>P</u>	<u>D</u>	<u>N</u>	<u>L</u>	<u>K</u>	<u>G</u>	<u>R</u>	<u>F</u>	<u>T</u>	<u>I</u>	<u>S</u>	<u>R</u>	<u>N</u>	<u>D</u>	<u>S</u>	<u>K</u>	<u>N</u>	<u>T</u>	<u>L</u>	<u>Y</u>
81	L	Q	M	S	S	L	K	S	E	D	T	A	L	Y	Y	C	L	R	E	G
81	L	<u>Q</u>	M	N	S	L	Q	A	E	D	T	A	L	Y	Y	C	<u>L</u>	<u>R</u>	<u>E</u>	<u>G</u>
101	I	Y	Y	A	D	Y	G	F	F	D	V	W	G	T	G	T	T	V	I	V
101	<u>I</u>	<u>Y</u>	<u>Y</u>	<u>A</u>	<u>D</u>	<u>Y</u>	<u>G</u>	<u>F</u>	<u>F</u>	<u>D</u>	<u>V</u>	<u>W</u>	<u>G</u>	<u>T</u>	<u>G</u>	<u>T</u>	<u>L</u>	<u>V</u>	<u>T</u>	<u>V</u>
121	S	S																		
121	S	S																		

Figure 2

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A

1	D	I	V	M	T	Q	S	H	K	F	M	S	T	S	V	G	D	R	V	S
1	D	I	Q	M	T	Q	S	P	S	T	L	S	A	S	V	G	D	R	V	T
21	I	T	C	K	A	S	Q	D	V	G	S	A	V	V	W	H	Q	Q	K	S
21	I	T	C	K	A	S	Q	D	V	G	S	A	V	V	W	<u>H</u>	Q	Q	K	P
41	G	Q	S	P	K	L	L	I	Y	W	A	S	T	R	H	T	G	V	P	D
41	G	K	A	P	K	L	L	<u>I</u>	Y	W	A	S	T	R	H	T	G	V	P	S
61	R	F	T	G	S	G	S	G	T	D	F	T	L	T	I	T	N	V	Q	S
61	R	F	<u>T</u>	G	S	G	S	G	T	E	F	T	L	T	I	S	S	L	Q	P
81	E	D	L	A	D	Y	F	C	Q	Q	Y	S	I	F	P	L	T	F	G	A
81	D	D	F	A	T	Y	<u>F</u>	C	Q	Q	Y	S	I	F	P	L	T	F	G	Q
101	G	T	R	L	E	L	K													
101	G	T	K	V	E	V	K													

B

1	Q	V	Q	L	Q	Q	S	D	A	E	L	V	K	P	G	A	S	V	K	I
1	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	S	S	V	K	V
21	S	C	K	V	S	G	Y	T	F	T	D	H	T	I	H	W	M	K	Q	R
21	S	C	K	A	S	G	<u>Y</u>	T	F	<u>T</u>	D	H	T	I	H	W	<u>M</u>	R	Q	A
41	P	E	Q	G	L	E	W	F	G	Y	I	Y	P	R	D	G	H	T	R	Y
41	P	G	Q	G	L	E	W	<u>F</u>	G	<u>Y</u>	I	Y	P	R	D	G	H	T	R	Y
61	S	E	K	F	K	G	K	A	T	L	T	A	D	K	S	A	S	T	A	Y
61	<u>A</u>	<u>E</u>	<u>K</u>	<u>F</u>	<u>K</u>	<u>G</u>	<u>K</u>	<u>A</u>	T	I	T	A	D	E	S	T	N	T	A	Y
81	M	H	L	N	S	L	T	S	E	D	S	A	V	Y	F	C	A	R	G	R
81	M	E	L	S	S	L	R	S	E	D	T	A	<u>V</u>	Y	F	C	A	<u>R</u>	<u>G</u>	<u>R</u>
101	D	S	R	E	R	N	G	F	A	Y	W	G	Q	G	T	L	V	T	V	S
101	<u>D</u>	<u>S</u>	<u>R</u>	<u>E</u>	<u>R</u>	<u>N</u>	<u>G</u>	<u>F</u>	<u>A</u>	<u>Y</u>	<u>W</u>	<u>G</u>	<u>Q</u>	<u>G</u>	<u>T</u>	<u>L</u>	<u>V</u>	<u>T</u>	<u>V</u>	<u>S</u>
121	A																			
121	S																			

Figure 3

07 634278

A

	D	I	V	E	F	Q	S	S	A	S	L	A	V	S	L	G	Q	R	A	T
	D	I	Q	M	F	Q	S	S	S	<u>S</u>	L	S	A	S	V	G	O	R	V	T
21	H	S	C	R	A	S	E	S	V	D	N	V	G	I	S	S	M	N	W	F
31	H	S	C	R	A	S	E	S	V	D	N	V	G	I	S	S	M	N	W	<u>F</u>
41	Q	Q	K	S	G	R	S	S	K	L	L	I	N	A	A	S	N	Q	G	S
41	Q	Q	K	S	G	K	A	S	K	L	L	<u>I</u>	N	A	A	S	N	Q	G	S
51	G	V	S	A	R	F	S	G	S	G	S	G	T	D	F	S	L	N	I	H
51	G	V	S	S	R	F	<u>S</u>	G	S	G	S	G	T	<u>D</u>	F	T	L	T	I	S
81	P	M	E	E	D	D	T	A	M	Y	F	C	Q	Q	S	K	E	V	P	W
81	S	L	Q	P	D	D	F	A	T	Y	Y	C	<u>Q</u>	<u>Q</u>	S	K	E	V	<u>P</u>	<u>W</u>
101	T	F	G	G	G	T	K	L	E	I	K									
101	<u>T</u>	F	G	Q	G	T	K	V	E	<u>I</u>	K									
1	E	V	Q	L	Q	Q	S	G	P	E	L	V	K	P	G	A	S	V	K	I
1	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	S	S	V	K	V
21	S	C	K	A	S	G	<u>Y</u>	T	F	<u>T</u>	D	Y	N	M	H	W	V	K	Q	S
21	S	C	K	A	S	G	<u>Y</u>	T	F	<u>T</u>	D	Y	N	M	H	W	V	R	Q	A
41	H	G	K	S	L	E	W	I	G	Y	I	Y	P	Y	N	G	G	T	G	Y
41	P	G	Q	G	L	E	W	<u>I</u>	G	<u>Y</u>	<u>I</u>	<u>Y</u>	<u>P</u>	<u>Y</u>	<u>N</u>	<u>G</u>	<u>G</u>	<u>T</u>	<u>G</u>	<u>Y</u>
61	N	Q	K	F	K	S	K	A	T	L	T	V	D	N	S	S	S	T	A	Y
61	<u>N</u>	<u>Q</u>	<u>K</u>	<u>F</u>	<u>K</u>	<u>S</u>	<u>K</u>	<u>A</u>	<u>T</u>	<u>I</u>	<u>T</u>	<u>A</u>	<u>D</u>	<u>E</u>	<u>S</u>	<u>T</u>	<u>N</u>	<u>T</u>	<u>A</u>	<u>Y</u>
81	M	D	V	R	S	L	T	S	E	D	S	A	V	Y	Y	C	A	R	G	R
81	M	E	L	S	S	L	R	S	E	D	T	A	<u>V</u>	<u>Y</u>	<u>Y</u>	C	A	<u>R</u>	<u>G</u>	<u>R</u>
101	P	A	M	D	Y	W	G	Q	G	T	S	V	T	V	S	S				
101	<u>P</u>	<u>A</u>	<u>M</u>	<u>D</u>	<u>Y</u>	<u>W</u>	<u>G</u>	<u>Q</u>	<u>G</u>	<u>T</u>	<u>L</u>	<u>V</u>	<u>T</u>	<u>V</u>	<u>S</u>	<u>S</u>				

Figure 4

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1	Q	I	V	L	E	Q	S	S	A	E	M	S	A	S	S	G	E	K	V	T
1	Q	I	2	M	3	2	S	S	3	3	L	S	<u>A</u>	S	7	G	J	R	V	T
11	M	E	3	S	G	S	S	S	7	S	3	M	N	N	7	Q	Q	R	P	G
11	M	E	3	S	G	S	S	S	7	S	3	M	N	N	7	Q	Q	K	P	G
41	S	S	3	2	L	L	1	V	D	E	S	N	L	A	S	G	V	P	V	R
41	<u>K</u>	A	3	K	L	L	1	V	D	E	S	N	L	A	S	G	V	P	S	R
61	F	S	G	S	G	S	G	F	S	<u>K</u>	S	L	F	H	S	R	M	E	A	E
61	F	S	G	S	G	S	G	F	S	<u>K</u>	S	L	F	H	S	R	M	E	A	E
81	D	A	A	T	Y	Y	C	Q	Q	W	S	T	Y	P	L	T	F	G	A	G
81	D	I	A	T	Y	Y	C	<u>Q</u>	<u>Q</u>	<u>W</u>	<u>S</u>	<u>T</u>	<u>Y</u>	<u>P</u>	<u>L</u>	<u>T</u>	<u>F</u>	<u>G</u>	<u>A</u>	<u>G</u>
101	T	K	L	E	L	K														
101	T	K	V	E	V	K														

3

1	<u>Q</u>	V	Q	L	K	Q	S	G	P	G	L	V	Q	P	S	Q	S	L	S	I
1	<u>E</u>	V	Q	L	L	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L
21	T	C	T	V	S	G	F	S	V	<u>T</u>	S	Y	G	V	H	W	I	R	Q	S
21	S	C	A	A	S	G	F	T	<u>V</u>	<u>T</u>	<u>S</u>	<u>Y</u>	<u>G</u>	<u>V</u>	<u>H</u>	<u>W</u>	<u>I</u>	<u>R</u>	<u>Q</u>	<u>A</u>
41	P	G	K	G	L	E	W	L	G	V	I	W	S	G	G	S	T	D	Y	N
41	P	G	K	G	L	E	W	V	<u>G</u>	<u>V</u>	<u>I</u>	<u>W</u>	<u>S</u>	<u>G</u>	<u>G</u>	<u>S</u>	<u>T</u>	<u>D</u>	<u>Y</u>	<u>N</u>
61	A	A	F	I	S	R	L	T	I	S	K	D	N	S	K	S	Q	V	F	F
61	<u>A</u>	<u>A</u>	<u>F</u>	<u>I</u>	<u>S</u>	<u>R</u>	<u>F</u>	<u>T</u>	<u>I</u>	<u>S</u>	<u>R</u>	<u>D</u>	<u>N</u>	<u>S</u>	<u>K</u>	<u>N</u>	<u>T</u>	<u>L</u>	<u>Y</u>	<u>L</u>
81	K	V	N	S	L	Q	P	A	D	<u>T</u>	A	I	Y	Y	C	A	R	A	G	D
81	Q	M	N	<u>S</u>	L	Q	A	E	<u>D</u>	<u>T</u>	A	I	Y	Y	C	A	R	<u>A</u>	<u>G</u>	<u>D</u>
101	Y	N	Y	D	G	F	A	Y	W	G	Q	G	T	L	V	T	V	S	A	
101	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>D</u>	<u>G</u>	<u>F</u>	<u>A</u>	<u>Y</u>	<u>W</u>	<u>G</u>	<u>Q</u>	<u>G</u>	<u>T</u>	<u>L</u>	<u>V</u>	<u>T</u>	<u>V</u>	<u>S</u>	<u>A</u>	

Figure 3

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A

1	D	I	V	L	T	Q	S	P	A	T	L	S	V	T	P	G	D	S	V	S
1	E	I	V	L	T	Q	S	P	G	T	L	S	L	S	P	G	E	R	A	T
21	L	S	C	R	A	S	Q	S	I	S	N	N	L	H	W	Y	Q	Q	K	S
21	L	S	C	R	A	S	Q	S	I	S	N	N	L	H	W	Y	Q	Q	K	P
41	H	E	S	P	R	L	L	I	K	Y	A	S	Q	S	I	S	G	I	P	S
41	G	Q	A	P	R	L	L	I	<u>K</u>	<u>Y</u>	<u>A</u>	<u>S</u>	<u>Q</u>	<u>S</u>	<u>I</u>	<u>S</u>	G	I	P	D
61	R	F	S	G	S	G	S	G	T	D	F	T	L	S	V	N	G	V	E	T
61	R	F	S	G	S	G	S	G	T	D	F	T	L	T	I	S	R	L	E	P
81	E	D	F	G	M	Y	F	C	Q	Q	S	N	S	W	P	H	T	F	G	G
81	E	D	F	A	V	Y	Y	C	<u>Q</u>	<u>Q</u>	<u>S</u>	<u>N</u>	<u>S</u>	<u>W</u>	<u>P</u>	<u>H</u>	<u>T</u>	<u>F</u>	<u>G</u>	<u>Q</u>
101	G	T	K	L	E	I	K													
101	G	T	K	V	E	I	K													

B

1	E	V	Q	L	Q	Q	S	G	P	E	L	V	K	P	G	A	S	M	K	I
1	Q	V	Q	L	<u>V</u>	Q	S	G	A	E	V	K	K	P	G	S	S	V	R	V
21	S	C	K	A	S	V	Y	S	F	T	G	Y	T	M	N	W	V	K	Q	S
21	S	C	K	<u>A</u>	S	G	<u>Y</u>	<u>S</u>	F	<u>T</u>	<u>G</u>	<u>Y</u>	<u>T</u>	<u>M</u>	<u>N</u>	W	V	R	Q	A
41	H	G	Q	N	L	E	W	I	G	L	I	N	P	Y	N	G	G	T	S	Y
41	P	G	K	G	L	E	W	V	G	<u>L</u>	<u>I</u>	<u>N</u>	<u>P</u>	<u>Y</u>	<u>N</u>	<u>G</u>	<u>G</u>	<u>T</u>	<u>S</u>	<u>Y</u>
61	N	Q	K	F	K	G	K	A	T	L	T	V	D	K	S	S	N	T	A	Y
61	<u>N</u>	<u>Q</u>	<u>K</u>	<u>F</u>	<u>K</u>	<u>G</u>	R	V	<u>T</u>	V	S	L	K	P	S	F	N	Q	A	<u>Y</u>
81	M	E	L	L	S	L	T	S	A	D	S	A	V	Y	Y	C	T	R	R	G
81	M	E	L	S	S	L	F	S	E	D	T	A	V	Y	Y	C	<u>T</u>	<u>R</u>	<u>R</u>	<u>G</u>
101	F	R	D	Y	S	M	D	Y	W	G	Q	G	T	S	V	T	V	S	S	
101	<u>F</u>	<u>R</u>	<u>D</u>	<u>Y</u>	<u>S</u>	<u>M</u>	<u>D</u>	<u>Y</u>	<u>W</u>	<u>G</u>	<u>Q</u>	<u>G</u>	<u>T</u>	<u>L</u>	<u>V</u>	<u>T</u>	<u>V</u>	<u>S</u>	<u>S</u>	

Figure 6

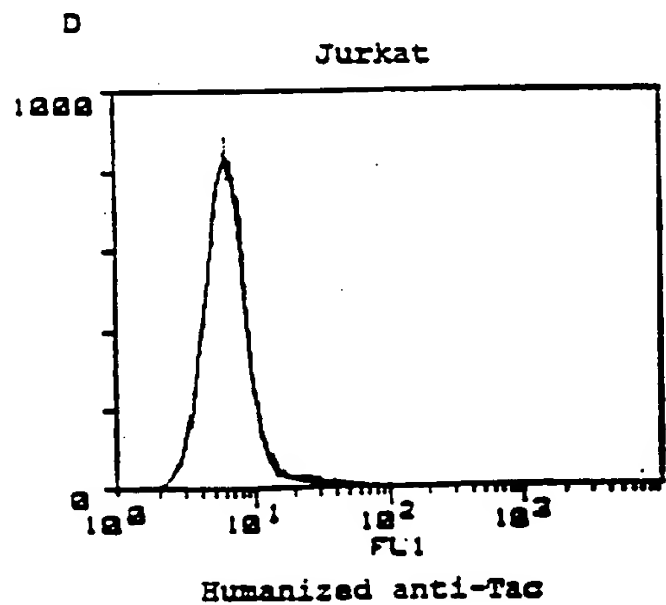
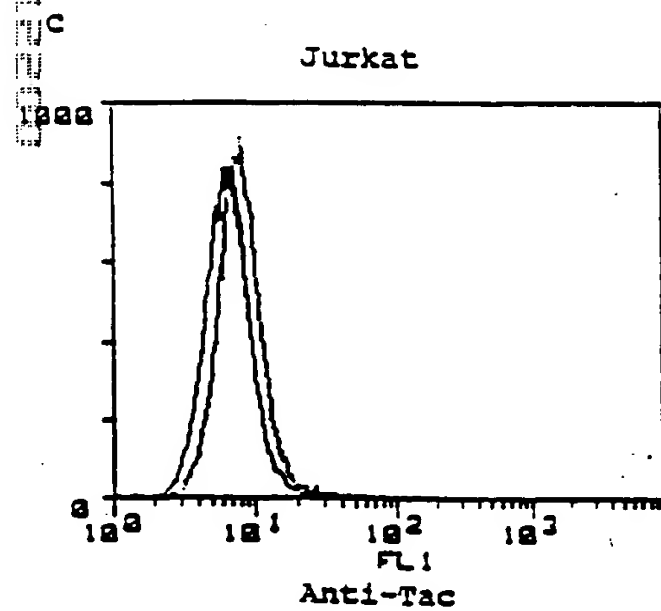
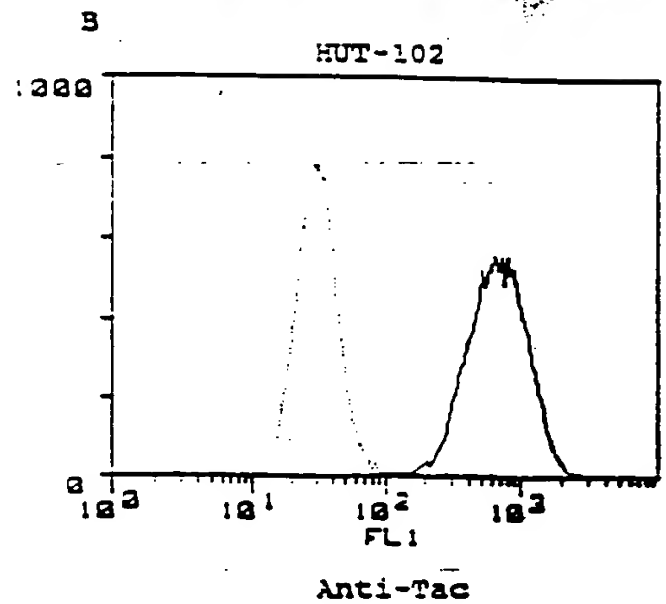
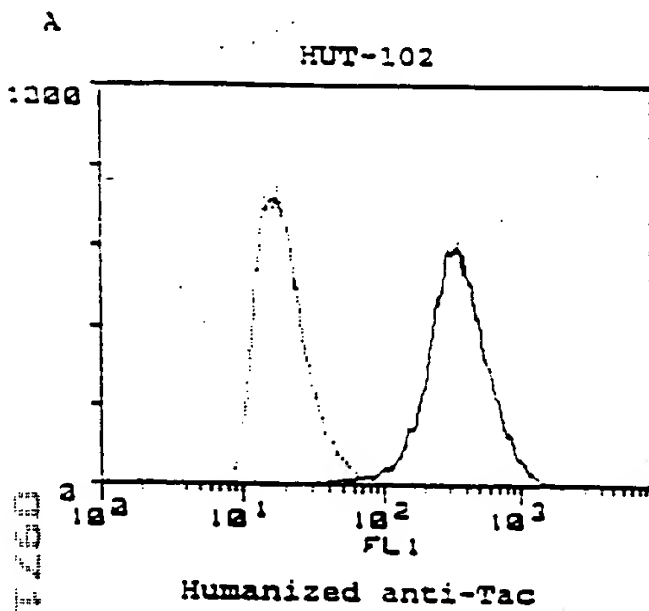
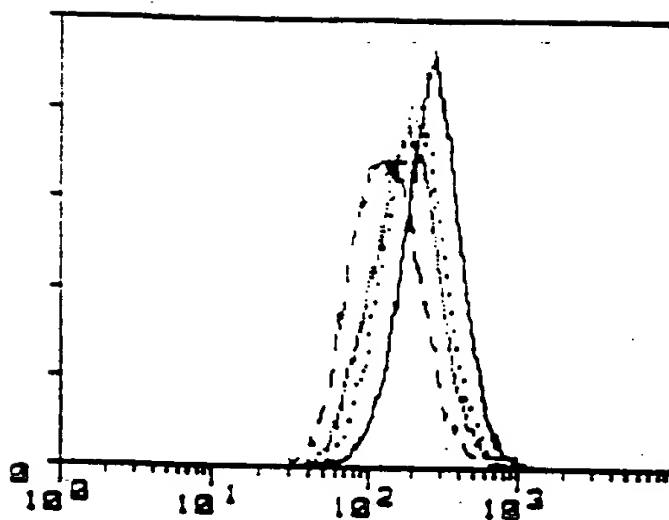
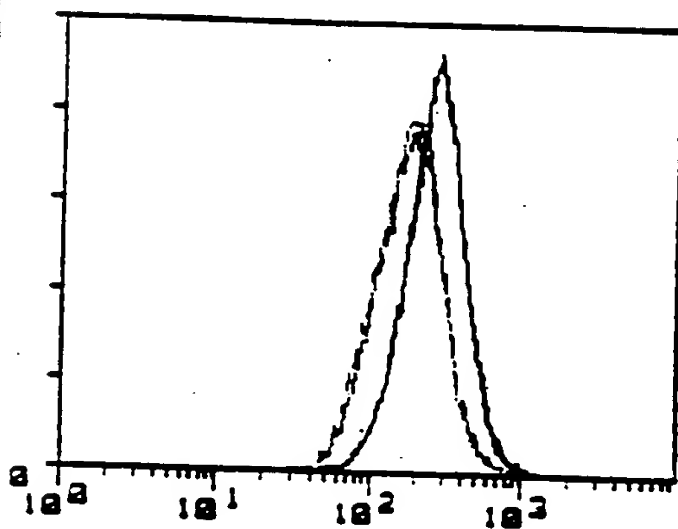


Figure 7

A



— 0 ng anti-Tac  
..... 10 ng  
----- 20 ng  
- . - . - 40 ng



— 0 ng anti-Tac  
..... 20 ng anti-Tac  
- . - . - 20 ng humanized anti-Ta

Figure 8



634278 333423

634278 (A)

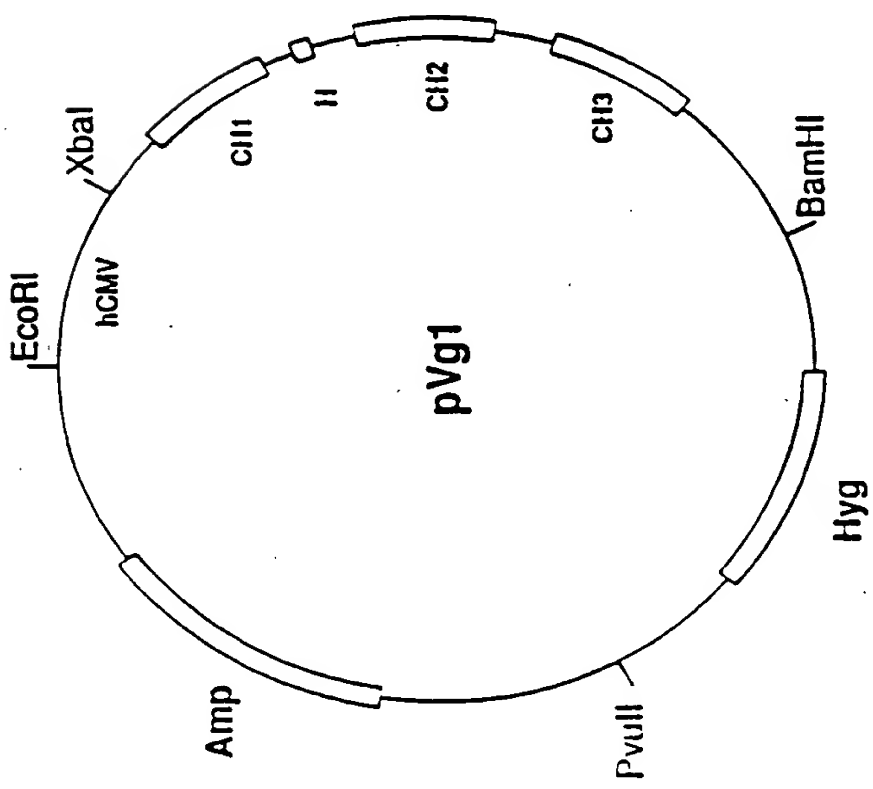
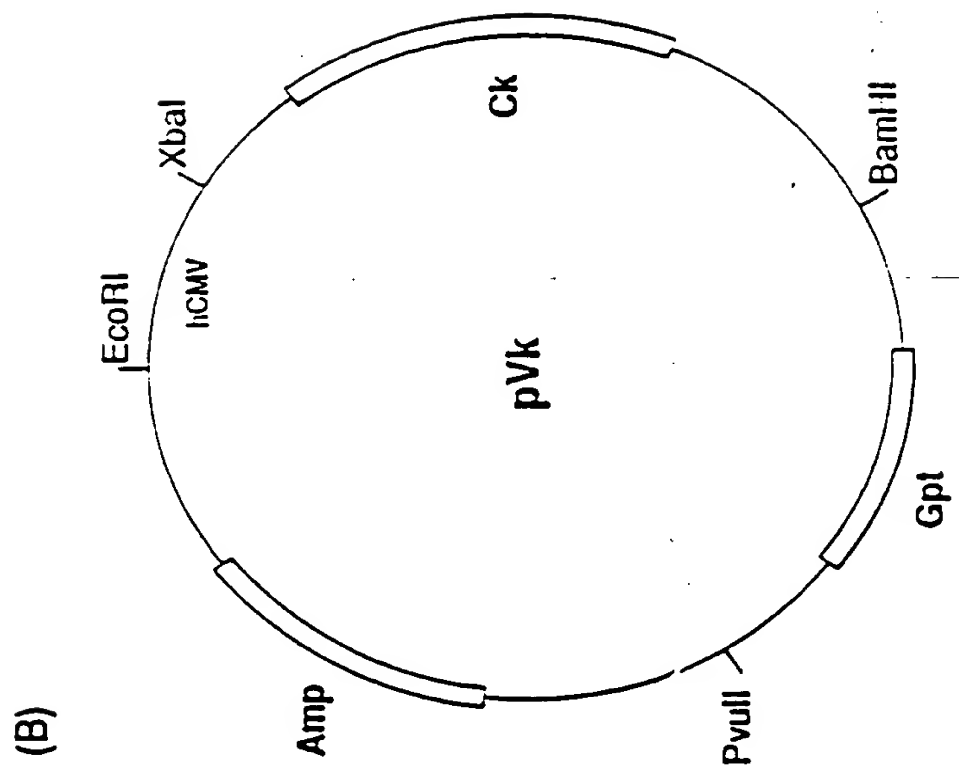


Figure 9

A.

Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	S	S	V	K	V
Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	S	S	V	K	V
S	C	K	A	S	G	Y	T	F	T	S	Y	R	M	H	W	V	R	Q	A
S	C	K	A	S	G	G	T	F	S	S	Y	R	M	H	W	V	R	Q	A
P	G	Q	G	L	E	W	I	G	Y	I	N	P	S	T	G	Y	T	E	Y
P	G	Q	G	L	E	W	M	G	Y	I	N	P	S	T	G	Y	T	E	Y
N	Q	K	F	K	D	K	A	T	I	T	A	D	E	S	T	N	T	A	Y
N	Q	K	F	K	D	R	V	T	I	T	A	D	E	S	T	N	T	A	Y
M	E	L	S	S	L	R	S	E	D	T	A	V	Y	Y	C	A	R	Q	Q
M	E	L	S	S	L	R	S	E	D	T	A	F	Y	F	C	A	G	G	Q
G	V	F	D	Y	W	C	Q	G	T	L	V	T	V	S	S				
G	V	F	D	Y	E	Y	N	G	G	L	V	T	V	S	S				

B.

D	I	Q	M	T	Q	S	P	S	T	L	S	A	S	V	G	D	R	V	T
D	I	Q	M	T	Q	S	P	S	T	L	S	A	S	V	G	D	R	V	T
I	T	C	S	A	S	S	S	S	I	S	Y	M	H	W	Y	Q	Q	K	P
I	T	C	S	A	S	S	S	S	I	S	Y	M	H	W	Y	Q	Q	K	P
K	A	P	K	L	L	I	Y	T	T	S	N	L	A	S	G	V	P	A	R
K	A	P	K	L	L	M	Y	T	T	S	N	L	A	S	G	V	P	S	R
F	S	G	S	G	S	G	T	E	F	T	L	T	I	S	S	L	Q	P	D
F	I	G	S	G	S	G	T	E	F	T	L	T	I	S	S	L	Q	P	D
D	F	A	T	Y	Y	C	H	Q	R	S	T	Y	P	L	T	F	G	Q	G
D	F	A	T	Y	Y	C	H	Q	R	S	T	Y	P	L	T	F	G	Q	G
T	K	V	E	V	K														
T	K	V	E	V	K														

Figure 10

A.

10	20	30	40	50	60	70
AGCTTCTAGA	TGGGATGGAG	CTGGATCTTT	CTCTTCCTCC	TGTCAGGTAC	CGCGGGCGTG	CACTCTCAAG
TCCAAGATCT	ACCCTACCTC	GACCTAGAAA	GAGAAGGAGG	ACAGTCCATG	GCGCCCGCAC	GTGAGAGTCC
80	90	100	110	120	130	140
TCCAGCTTGT	CCAGTCTGGG	GCTGAAGTCA	AGAAACCTGG	CTCCAGCGTG	AAGGTCTCCT	GCAAGGCTTC
AGGTCCAACA	GGTCAGACCC	CGACTTCAGT	TCTTTGGACC	GAGCTCGCAC	TTCCAQAGGA	CGTTCCGAAQ
150	160	170	180	190	200	210
TGGCGGGACC	TTTTCTAGCT	ACAGGATGCA	CTGGGTAAGG	CAGGCCCCCTG	GACAGGGTCT	GGAATGGATG
ACCGCCCTGG	AAAAGATCGA	TGTCTTACGT	GACCCATTCC	GTCCGGGGAC	CTGTCCCAQA	CGTTACCTAC
220	230	240	250	260	270	280
GGATATATTA	ATCCGTGGAC	TGGGTATACT	GAATACAATC	AGAAATTCAA	GGACAGGGTC	ACAATTACTG
CCTATATAAT	TAGGAGGCTG	ACCCATATGA	CTTATGTTAG	TCTTCAAOTT	CCTGTCCCAQ	TOTTAATGAG
290	300	310	320	330	340	350
CACACCAATC	CACCAATACA	GCCTACATGG	AACCTGAGCA	CCTGAGATCT	GAGGACACCG	CATTCTATTT
GTCTGCTTAG	GTGTTATGT	CGGATGTACC	TTCACTCTCT	GGACTCTAQA	CTCCTGTGGC	GTAAAGATAAA
360	370	380	390	400	410	420
CTGTGCAAGG	GGTGGGGGAG	TCTTTGACTA	CGAATACAAT	GGAGGGCTGG	TCACAQTCTC	CTCAGGTGAG
GACACGTCCC	CCACCGGCTC	AGAAACTGAT	CGTTATOTTA	CCTCCCGACC	AGTGTCAQAG	GAQTCCAGTC
430	440					
TCCTTAAAAC	CTCTAGACGA	TAT				
AGGAATTTTG	GAGATCTGCT	ATA				

B.

10	20	30	40	50	60	70
CAAATCTAGA	TGGAGACCGA	TACCCCTCTG	CTATGGGTCC	TCCTGCTATG	GGTCCCAGGA	TCAACCGGAG
GTTTAGATCT	ACCTCTGGCT	ATGGGAGGAC	GATACCCAGG	AGGACGATAC	CCAAGGTCCT	AGTTGGCCTC
80	90	100	110	120	130	140
ATATTGAGAT	GACCCAGTCT	CCATCTACCC	TCTCTGCTAG	CGTCGGGGAT	AGGGTCACCA	TAACCTGCTC
TATAAGTCTA	CTGGGTCAGA	GCTAGATGGG	AGAGACGATC	GCAGCCCTTA	TCCCAGTGGT	ATTGGACGAG
150	160	170	180	190	200	210
TGCCAGCTCA	AGTATAAGTT	ACATGCACTG	GTACCAGCAQ	AAOCCAGGCA	AAGCTCCCAA	GTTTCTAAAG
ACGGTCAAGT	TCATATTCAA	TGTACGTOAC	CATGGTCTCT	TTCCGTCCGT	TTCCAAGGTT	CGAAGATTAG
220	230	240	250	260	270	280
TATACCACAT	CCAACCTGGC	TTCTGGAGTC	CCTTCTCGCT	TCATTGGCAQ	TGGATCTGGG	ACCGAGTTCA
ATATGGTGTA	GGTTGGACCG	AAGACCTCAG	GGAAGAGCGA	AGTAACCGTC	ACCTAGACCC	TGGCTCAAAT
290	300	310	320	330	340	350
CCCTCACAAT	CAGCTCTCTG	CAOCCAGATG	ATTTGCCACG	TTATTACTGC	CATCAAAQQA	GTACTTACCC
GGGAGTOTTA	GTGAGAGAGC	GTGGGTCTAC	TAAAGCGGTG	AATAATGACG	GTAGTTTCCT	CATGAATGGG
360	370	380	390	400		
ACTCACGTTT	GGTCAGGGGA	CCAAGGTGGA	GGTCAAACGT	AAGTACACTT	TTCTAGATAT	A
TGAGTGCAAG	CGAGTCCGCT	GGTTCCACCT	CCAQTTTGCA	TTATGTGAA	AAGATCTATA	T

Figure 11

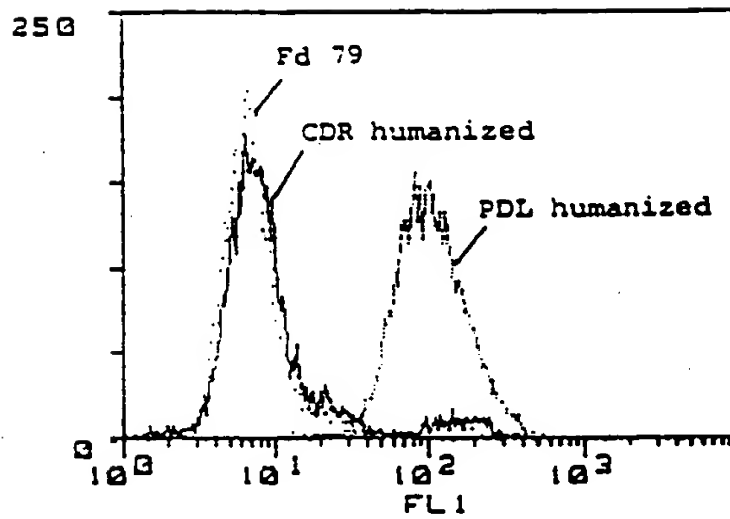


Figure 12

07-634278

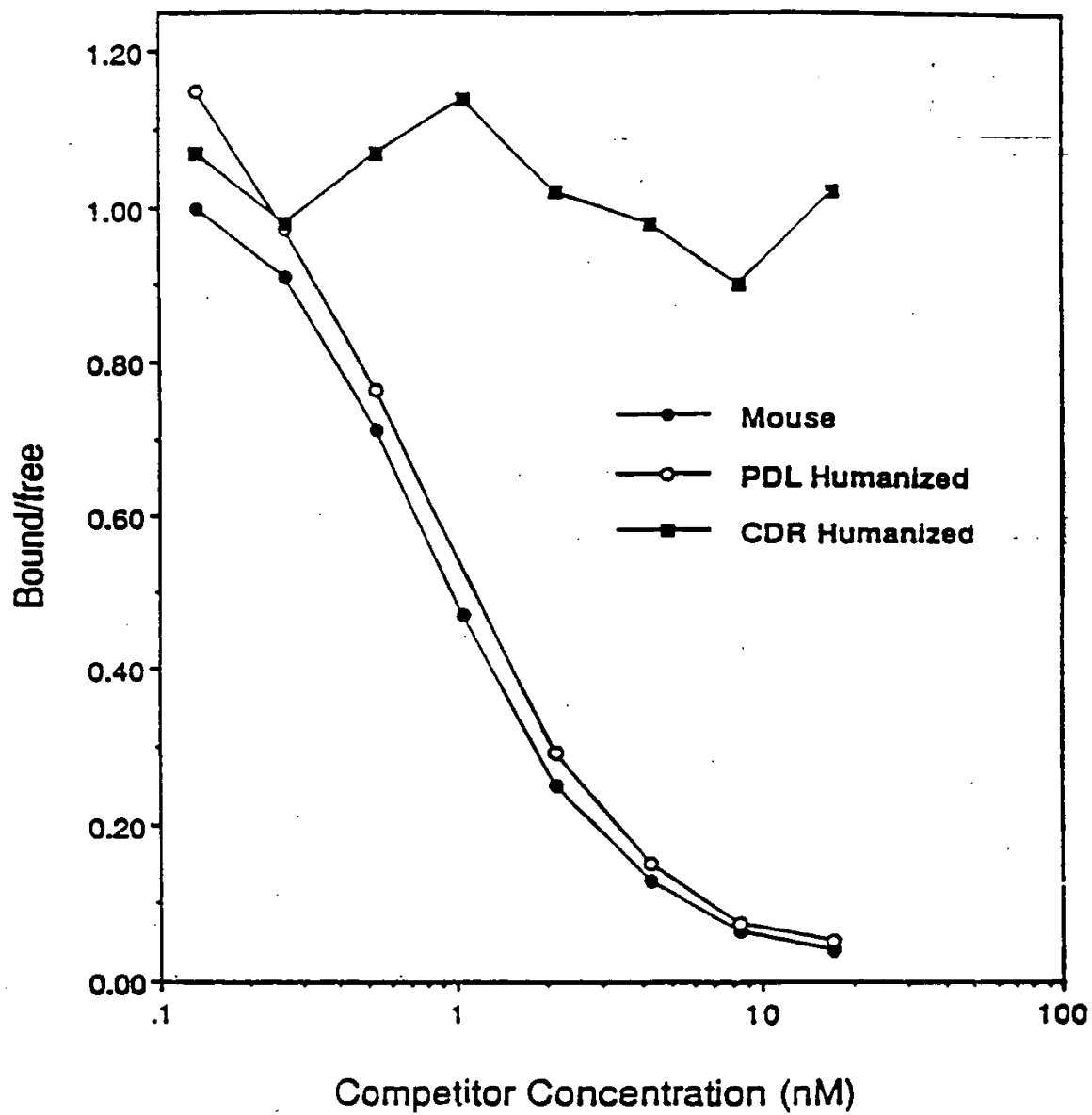


Figure 13

07 634278

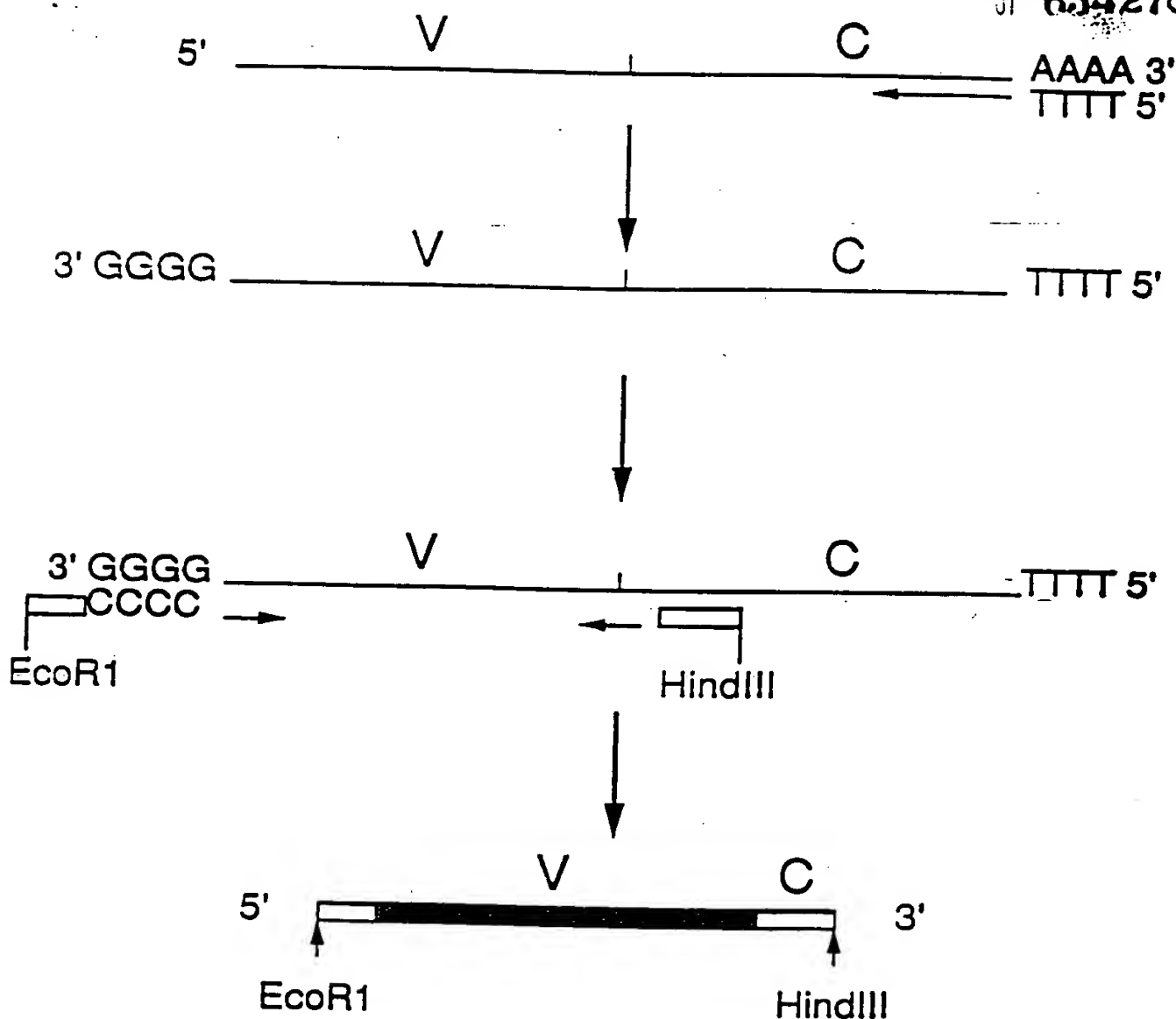


Figure 14

07 634278

1	Q	V	Q	L	Q	Q	S	G	A	E	L	A	K	P	G	A	S	V	K	M
1	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	S	S	V	K	V
21	S	C	K	A	S	G	V	F	F	T	S	Y	R	M	H	W	V	K	Q	R
21	S	C	K	A	S	G	G	F	F	S	R	S	A	F	F	W	V	R	Q	A
41	P	G	Q	G	L	E	W	F	G	Y	F	N	P	S	F	G	V	T	E	Y
41	P	G	Q	G	L	E	W	M	G	G	F	V	P	M	F	G	P	P	N	Y
61	N	Q	K	F	K	D	K	A	T	L	T	A	D	K	S	S	S	T	A	Y
61	A	Q	K	F	Q	G	R	V	T	I	T	A	D	E	S	T	N	T	A	Y
81	M	Q	L	S	S	L	T	F	E	D	S	A	V	Y	Y	C	A	R	G	
81	M	E	L	S	S	L	R	S	E	D	T	A	F	Y	F	C	A	G	G	Y
100	G	G	V	F	D	Y	W	G	Q	G	T	T	L	T	V	S	S			
101	G	F	Y	S	P	E	E	Y	N	G	G	L	V	T	V	S	S			

FIGURE 15

07 634278

1	Q	I	V	L	F	Q	S	U	A	F	K	S	A	S	P	G	E	K	V	T
1	D	I	Q	K	F	Q	S	U	S	F	L	S	A	S	V	G	D	R	V	T
21	H	I	C	S	A	S	S	S	I		S	K	K	K	K	F	Q	Q	K	P
21	H	I	C	S	A	S	Q	S	I	N	F	K	L	A	K	F	Q	Q	K	P
40	G	I	S	P	K	L	N	I	K	F	F	S	N	L	A	S	G	V	P	A
41	G	K	A	P	K	L	L	K	V	K	A	S	S	L	E	S	G	V	P	S
60	R	I	S	G	S	G	S	G	F	S	V	S	L	F	I	S	R	K	E	A
61	R	I	S	G	S	G	S	G	F	E	F	F	L	F	I	S	S	L	Q	P
80	E	D	A	A	F	V	V	C	H	Q	R	S	F	K	P	L	P	F	G	S
81	D	D	A	A	F	V	V	C	Q	Q	V	N	S	D	S	K	M	F	G	Q
100	G	I	K	L	E	L	K													
101	G	I	K	V	E	V	K													

FIGURE 16



634278

10 20 30 40 50 60  
TCTAGATGGGATGGAGCTGGATCTTTCTCTCTCCTCCTGTCAGGTACCGCGGGCGTGGACT  
M G W S W I F L F L L S G T A G V H

70 80 90 100 110 120  
CTCAGGTCCAGCTTGTCCAGTCTGGGGCTGAAGTCAAGAAACCTGGCTCGAGCGTGAAGG  
S Q V Q L V Q S G A E V K K P G S S V K

130 140 150 160 170 180  
TCTCCTSCAAGGCTTCTGGCTACACCTTTACTAGCTACAGGATGCACTGGGTAAGGCAGG  
V S C K A S G Y T F T S Y R M H W V R Q

190 200 210 220 230 240  
CCCCCTGGACAGGGTCTGGAATGGATTGGATATATTAATCCGTCGACTGGGTATACTGAAT  
A P G Q G L E W I G Y I N P S T G Y T E

250 260 270 280 290 300  
ACAATCAGAAGTTCAAGGACAAGGCAACAATTACTGCAGACGAATCCACCAATACAGCCT  
Y N Q K F K D K A T I T A D E S T N T A

310 320 330 340 350 360  
ACATGGAACTGAGCAGCCTGAGATCTGAGGACACCGCAGTCTATTACTGTGCAAGAGGGG  
Y M E L S S L R S E D T A V Y Y C A R G

370 380 390 400 410 420  
GGGGGTCTTTGACTACTGGGGCCAAGGAACCCTGGTCACAGTCTCCTCAGGTGAGTCCT  
G G V F D Y W G Q G T L V T V S S

430  
TAAAACCTCTAGA

FIGURE 17

10 20 30 40 50 60  
TCTAGATGGAGACCGATACCCCTCCTGCTATGGGTCCCTCCTGCTATGGGTCCCAGGATCAA  
M E T D T L L L W V L L L W V P G S

70 80 90 100 110 120  
CCGGAGATATTCAGATGACCCAGTCTCCATCTACCCTCTCTGCTAGCGTCGGGGATAGGG  
T G D I Q M T Q S P S T L S A S V G D R

130 140 150 160 170 180  
TCACCATAACCTGCTCTGCCAGCTCAAGTATAAGTTACATGCACTGGTACCAGCAGAAGC  
V T I T C S A S S S I S Y M H W Y Q Q K

190 200 210 220 230 240  
CAGGCAAAGCTCCCAAGCTTCTAATTTATACCACATCCAACCTGGCTTCTGGAGTCCCTG  
P G K A P K L L I Y T T S N L A S G V P

250 260 270 280 290 300  
CTCGCTTCAGTGGCAGTGGATCTGGGACCGAGTTCACCCTCACAATCAGCTCTCTGCAGC  
A R F S G S G S G T E F T L T I S S L Q

310 320 330 340 350 360  
CAGATGATTTGCGCCACTTATTACTGCCATCAAAGGAGTACTTACCCACTCACGTTCCGGTC  
P D D F A T Y Y C H Q R S T Y P L T F G

370 380 390 400  
AGGGGACCAAGGTGGAGGTCAAACGTAAGTACACTTTTCTAGA  
Q G T K V E V K

FIGURE 18

07 634278

A

HES12 AGCTTCTAGATGGGATGGAGCTGGATCTTTCTCTTCCTCCTGTCAGGTACCGCGGGCGTG  
CACTCTCAGGTCCAGCTTGTCCAGTCTGGGGCTGAAGTCAAGAAACCTGGCTCGAGCGTG  
AAGGTC

HES13 CCCAGTCGACGGATTAATATATCCAATCCATTCCAGACCCTGTCCAGGGGCCTGCCTTAC  
CCAGTGCATCCTGTAGCTAGTAAAGGTGTAGCCAGAAGCCTTGCAGGAGACCTTCACGCT  
CGAGCCAGG

HES14 TATATTAATCCGTCGACTGGGTATACTGAATACAATCAGAAGTTCAAGGACAAGGCAACA  
ATTACTGCAGACGAATCCACCAATACAGCCTACATGGAAGTGAAGCAGCCTGAGATCTGAG  
GACA

HES15 ATATCGTCTAGAGGTTTTAAGGACTCACCTGAGGAGACTGTGACCAGGGTTCCTTGGCCC  
CAGTAGTCAAAGACCCCCCCCCCTTTGCACAGTAATAGACTGCGGTGTCCTCAGATCTC  
AGGCTGCT

B

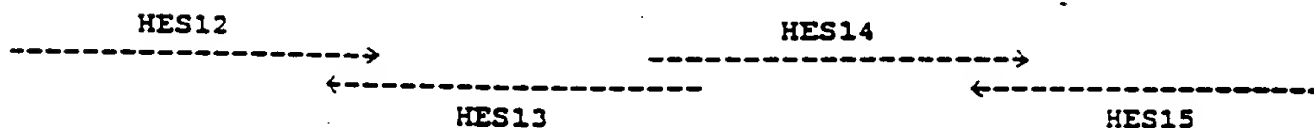


FIGURE 19

07 634278

A

JFD1 CAAATCTAGATGGAGACCGATACCCCTCCTGCTATGGGTCCTCCTGCTATGGGTCCCAGGA  
TCAACCGGAGATATTCAGATGACCCAGTCTCCATCTACCCTCTCTGCTAGCGTCGGGGAT

JFD2 ATAAATTAGAAGCTTGGGAGCTTTGCCTGGCTTCTGCTGGTACCAGTGCATGTAAC TTAT  
ACTTGAGCTGGCAGAGCAGGTTATGGTGACCCTATCCCCGACGCTAGCAGAGAG

JFD3 GCTCCCAAGCTTCTAATTTATACCAATCCAACCTGGCTTCTGGAGTCCCTGCTCGCTTC  
AGTGGCAGTGGATCTGGGACCGAGTTCACCCTCACAATCAGCTCTCTGCAGCCAGATGAT  
TTC

JFD4 TATATCTAGAAAAGTGTACTTACGTTTGACCTCCACCTTGGTCCCCTGACCGAACGTGAG  
TGGGTAAGTACTCCTTTGATGGCAGTAATAAGTGGCGAAATCATCTGGCTGCAGAGAGCT  
GA

B

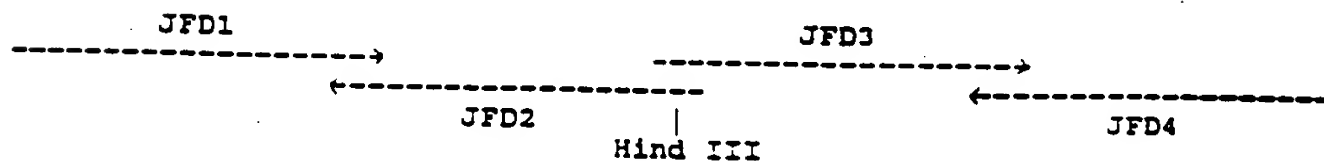


FIGURE 20

07 634278

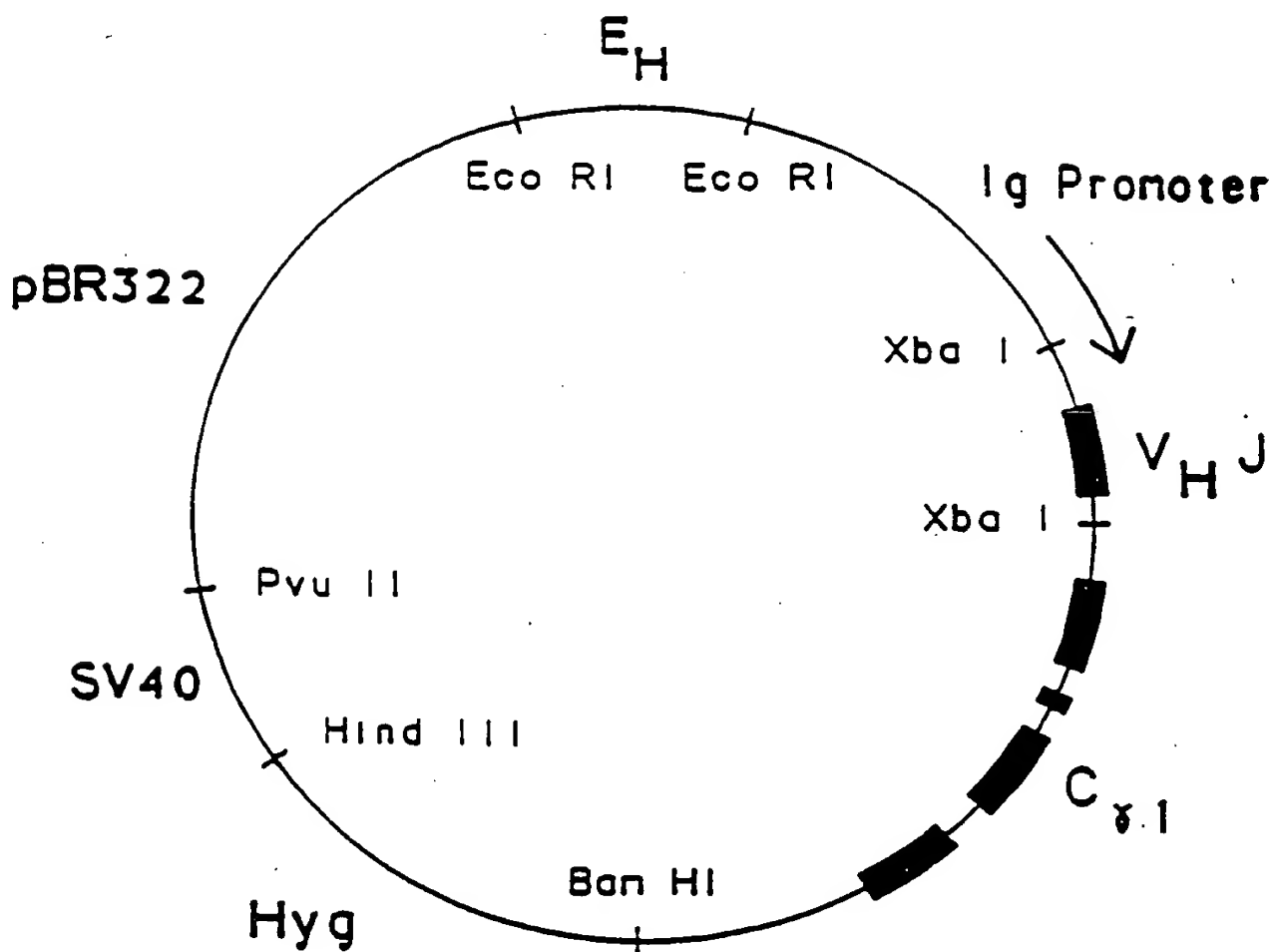


FIGURE 21

0071650 14200

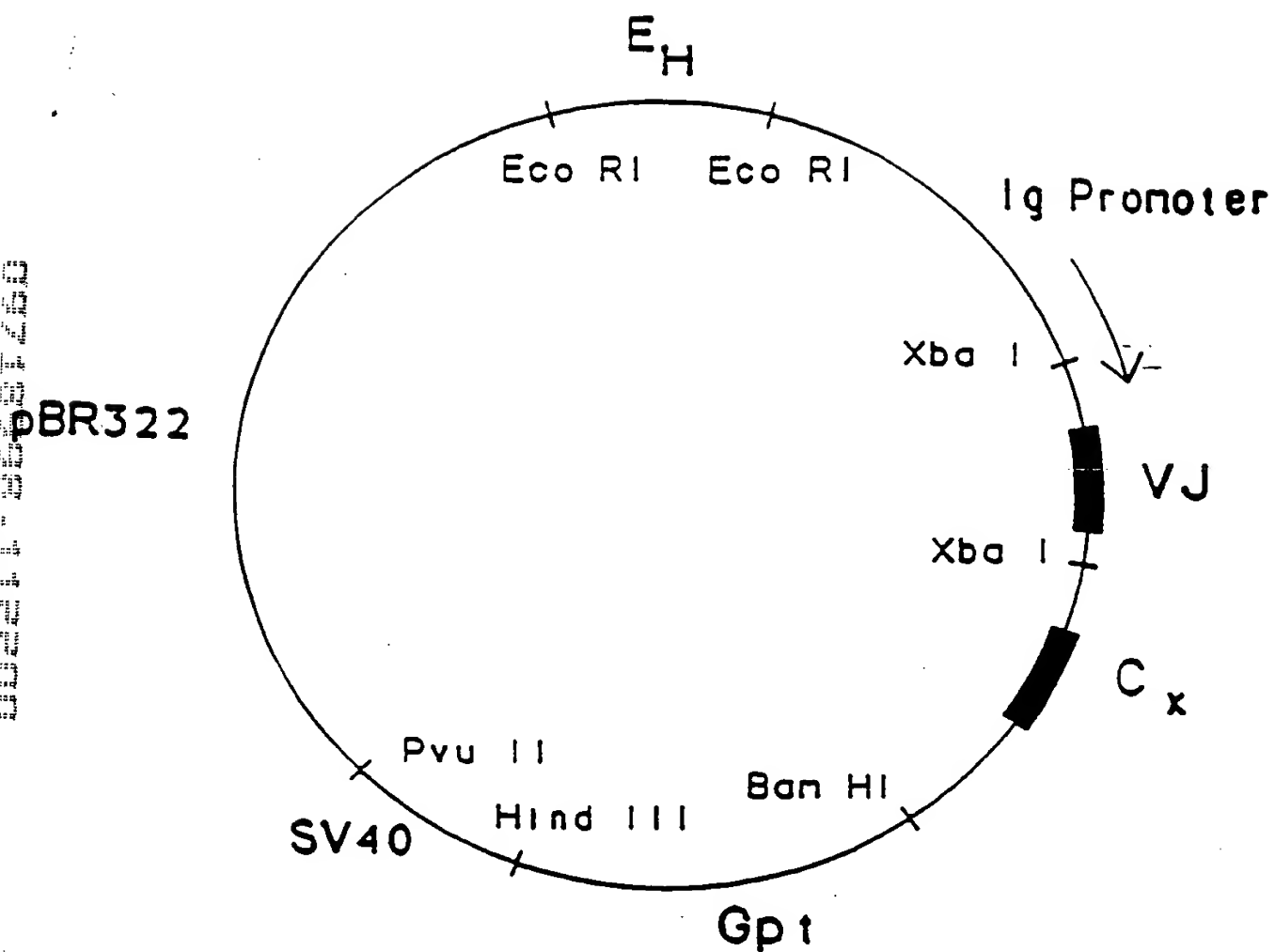


FIGURE 22

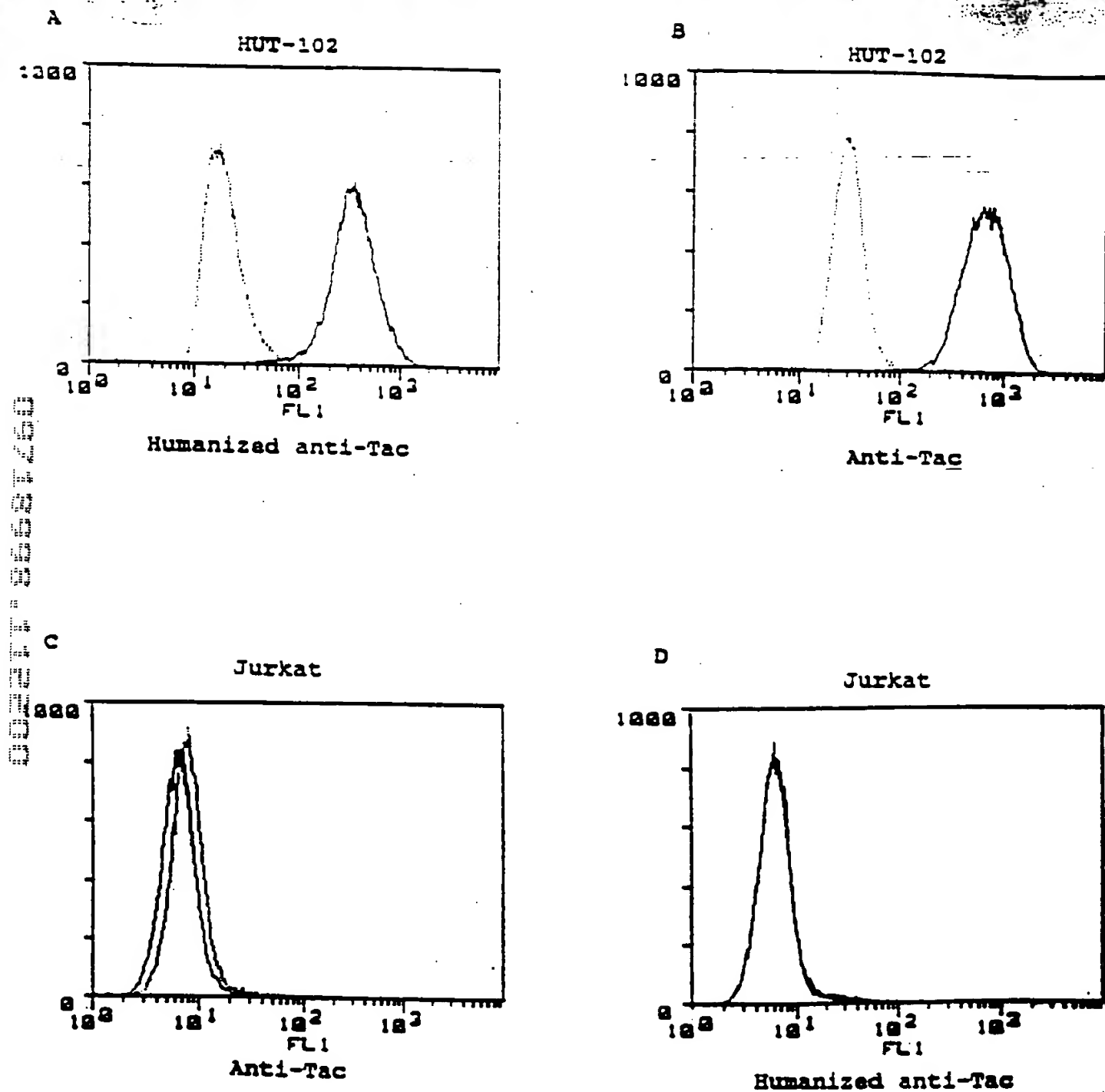
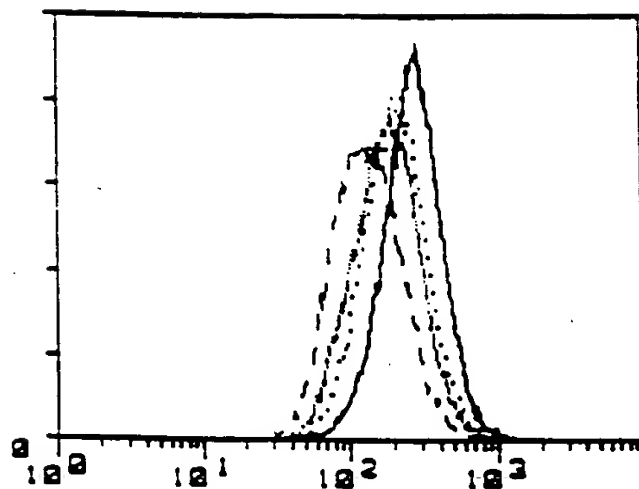
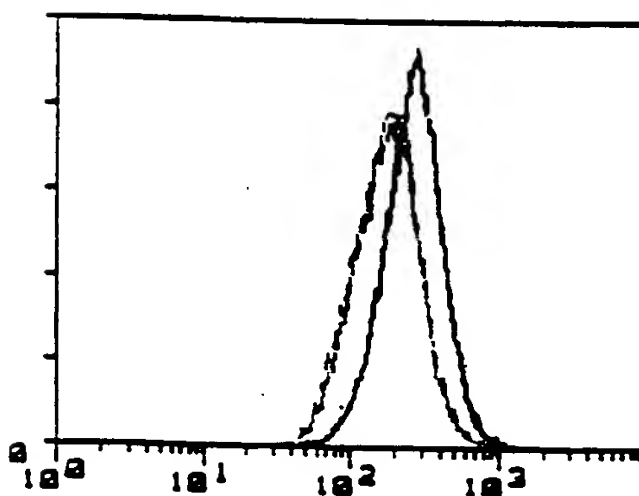


FIGURE 23



— 0 ng anti-Tac  
..... 10 ng  
----- 20 ng  
- . - . - 40 ng



— 0 ng anti-Tac  
..... 20 ng anti-Tac  
----- 20 ng humanized anti-Tac

FIGURE 24



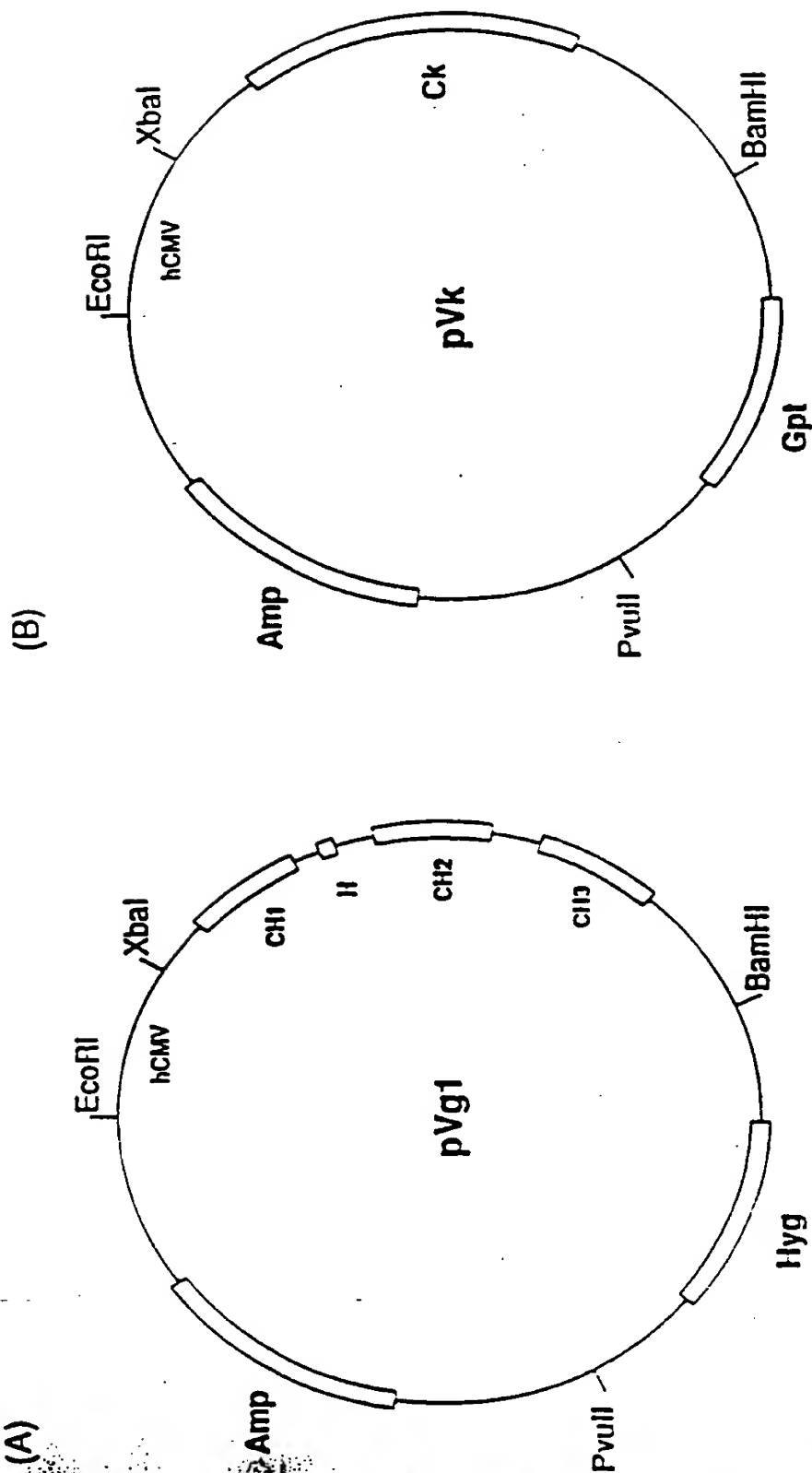


FIGURE 25

07 634278

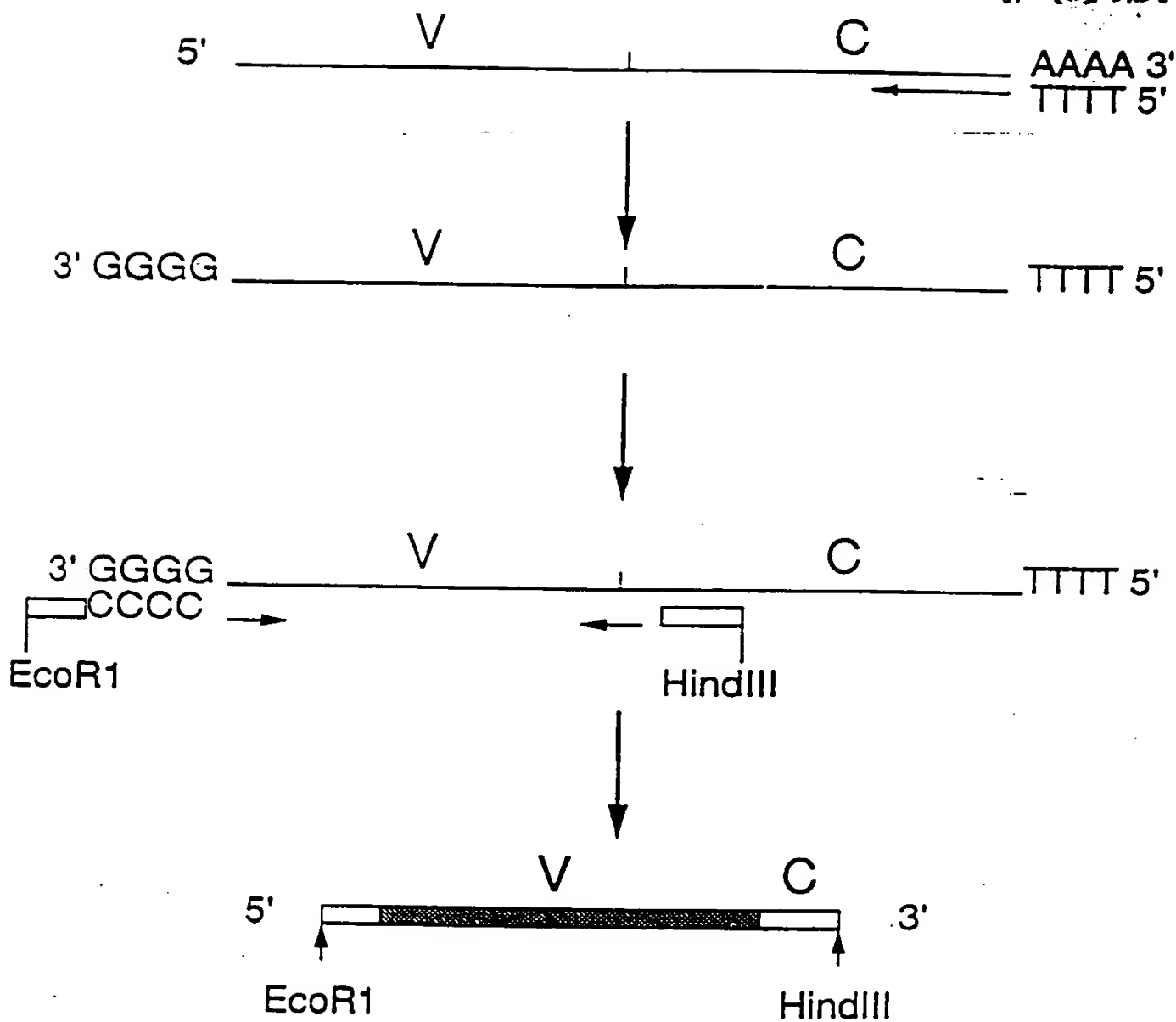


FIGURE 26

A

07 634278

30 60  
 ATGGATTTTCAAGTGCAGATTTTCAGCTTCCTGCTAATCAGTGCCTCAGTCATACTGTCC  
 M D F Q V Q I F S F L L I S A S V I L S

90 120  
 AGAGGACAAATTGTTCTCACCCAGTCTCCAGCAATCATGTCTGCGTCTCCAGGGGAGAAG  
 R G Q I V L T Q S P A I M S A S P G E K

150 180  
 GTCACCATGACCTGCAGTGGCAGCTCAAGTGTAAGTTTCATGTACTGGTACCAGCAGAGG  
 V T M T C S G S S S V S F M Y W Y Q Q R

210 240  
 CCAGGATCCTCCCCCAGACTCCTGATTTATGACACATCCAACCTGGCTTCTGGAGTCCCT  
 P G S S P R L L I Y D T S N L A S G V P

270 300  
 GTTCGCTTCAGTGGCAGTGGGTCTGGGACCTCTTACTCTCTCACAATCAGCCGAATGGAG  
 V R F S G S G S G T S Y S L T I S R M E

330 360  
 GCTGAAGATGCTGCCACTTATTACTGCCAGCAGTGGAGTACTTACCCGCTCACGTTEGGT  
 A E D A A T Y Y C Q Q W S T Y P L T F G

GCTGGGACCAAGCTGGAGCTGAAA  
 A G T K L E L K

B

30 60  
 ATGGCTGTCTTGGGGCTGCTCTTCTGCCTGGTGACATTCCCAAGCTGTGTCTATCCCAG  
 M A V L G L L F C L V T F P S C V L S Q

90 120  
 GTGCAGCTGAAGCAGTCAGGACCTGGCCTAGTGCAGCCCTCACAGAGCCTGTCCATCACC  
 V Q L K Q S G P G L V Q P S Q S L S I T

150 180  
 TGCACAGTCTCTGGTTTCTCAGTAACAAGTTATGGTGTAACACTGGATTGCGCCAGTCTCCA  
 C T V S G F S V T S Y G V H W I R Q S P

210 240  
 GGAAAGGGTCTGGAGTGGCTGGGAGTGATATGGAGTGGTGAAGCACAGACTATAATGCA  
 G K G L E W L G V I W S G G S T D Y N A

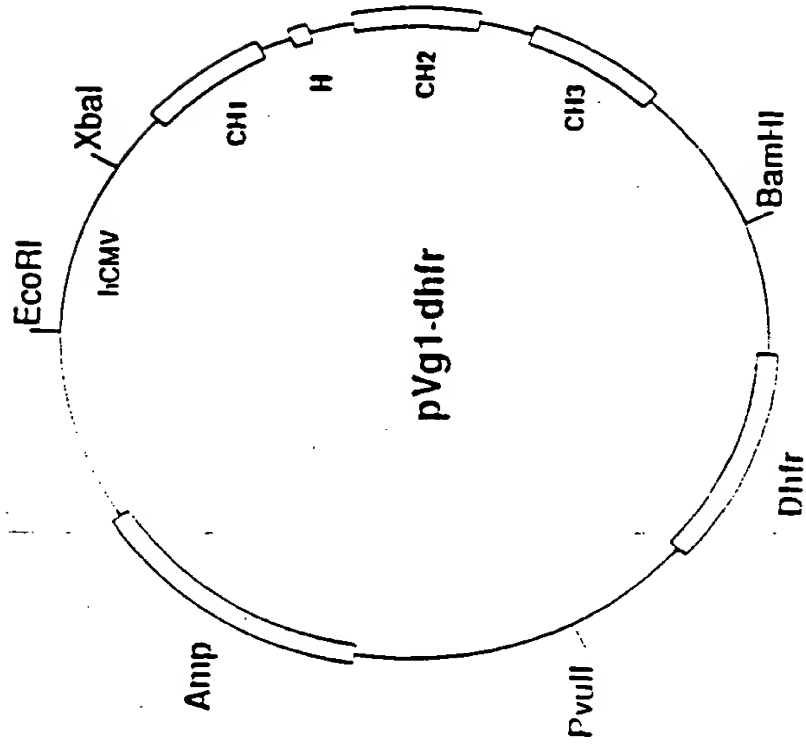
270 300  
 GCTTTCATATCCAGACTGACCATCAGCAAGGACAACCTCCAAGAGCCAAGTTTTCTTTAA  
A F I S R L T I S K D N S K S Q V F F K

330 360  
 GTGAACAGTCTGCAACCTGCTGACACAGCCATATACTATTGTGCCAGAGCTGGGGACTAT  
 V N S L Q P A D T A I Y Y C A R A G D Y

390  
 AATTACGACGGTTTTGCTTACTGGGGCCAAGGGACTCTGGTCACTGTCTCTGCG  
N Y D G F A Y W G Q G T L V T V S A

FIGURE 27

(A)



(B)

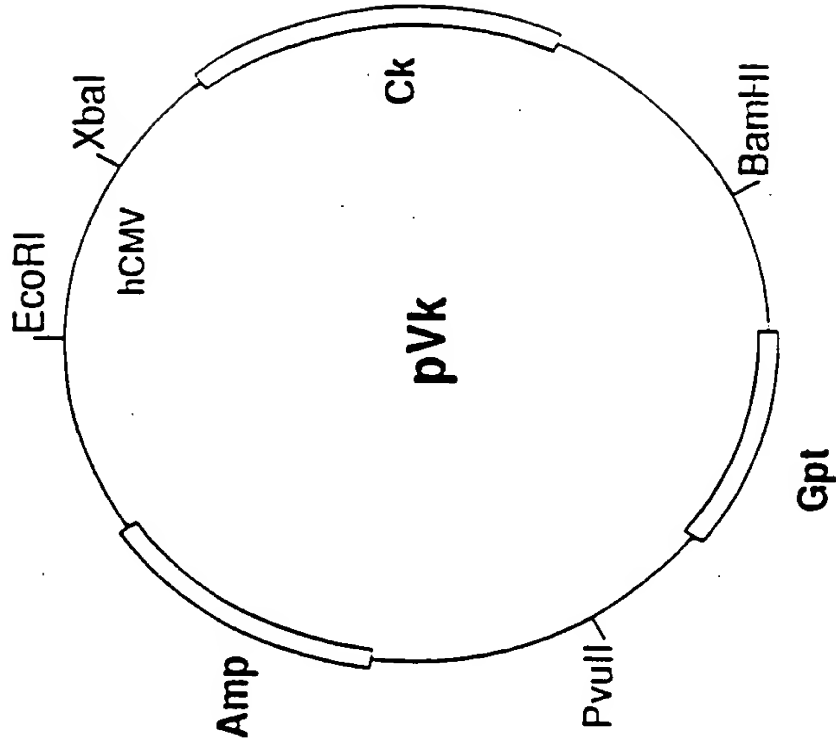


FIGURE 28

07 634278

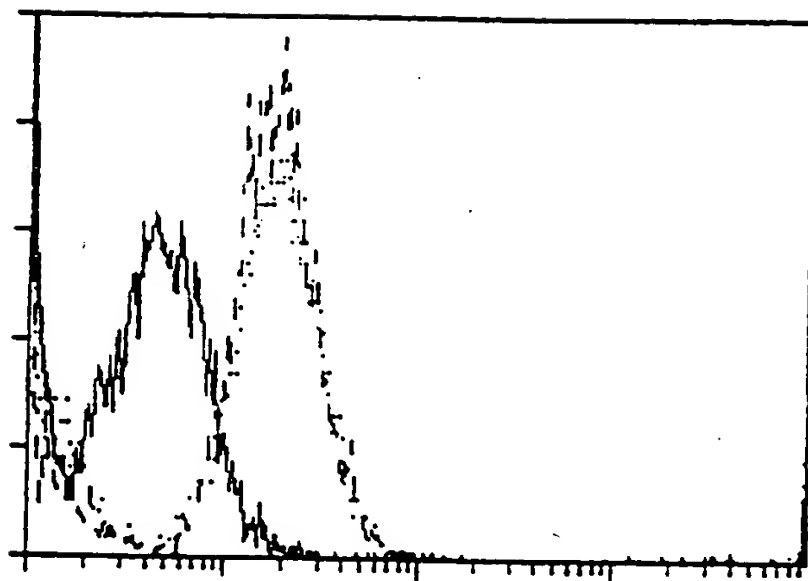


FIGURE 29

01 634278

A

1	D	I	Q	M	T	Q	S	P	S	S	L	S	V	S	V	G	D	R	V	T
1	D	I	Q	M	T	Q	S	P	S	S	L	S	<u>A</u>	S	V	G	D	R	V	T
21	I	T	C	Q	A	S	Q	N	V	N	A	Y	L	N	W	Y	Q	Q	K	P
21	I	T	C	<u>S</u>	<u>G</u>	<u>S</u>	<u>S</u>	<u>S</u>	<u>V</u>		<u>S</u>	<u>F</u>	<u>M</u>	<u>Y</u>	<u>W</u>	<u>Y</u>	<u>Q</u>	<u>Q</u>	<u>K</u>	<u>P</u>
41	G	L	A	P	K	L	L	I	Y	G	A	S	T	R	E	A	G	V	P	S
40	G	<u>K</u>	A	P	K	L	L	I	Y	<u>D</u>	<u>T</u>	<u>S</u>	<u>N</u>	<u>L</u>	<u>A</u>	<u>S</u>	G	V	P	S
61	R	F	S	G	S	G	S	G	T	D	<u>F</u>	T	F	T	I	S	S	L	Q	P
60	R	F	S	G	S	G	S	G	T	D	<u>Y</u>	T	F	T	I	S	S	L	Q	P
81	E	D	I	A	T	Y	Y	C	Q	Q	Y	N	N	W	P	P	T	F	G	Q
80	E	D	I	A	T	Y	Y	C	<u>Q</u>	<u>Q</u>	<u>W</u>	<u>S</u>	<u>T</u>	<u>Y</u>	<u>P</u>	<u>L</u>	<u>T</u>	<u>F</u>	<u>G</u>	<u>Q</u>
101	G	T	K	V	E	V	K													
100	G	T	K	V	E	V	K													

B

1	A	V	Q	L	L	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L
1	<u>E</u>	V	Q	L	L	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L
21	S	C	A	A	S	G	F	T	F	<u>S</u>	<u>A</u>	<u>S</u>	<u>A</u>	<u>M</u>	<u>S</u>	<u>W</u>	<u>V</u>	<u>R</u>	<u>Q</u>	<u>A</u>
21	S	C	A	A	S	G	F	T	<u>V</u>	<u>T</u>	<u>S</u>	<u>Y</u>	<u>G</u>	<u>V</u>	<u>H</u>	<u>W</u>	<u>V</u>	<u>R</u>	<u>Q</u>	<u>A</u>
41	P	G	K	G	L	E	W	V	A	W	K	Y	E	N	G	N	D	K	H	Y
41	P	G	K	G	L	E	W	V	<u>G</u>		<u>V</u>	<u>I</u>	<u>W</u>	<u>S</u>	<u>G</u>	<u>G</u>	<u>S</u>	<u>T</u>	<u>D</u>	<u>Y</u>
61	A	D	S	V	N	G	R	F	T	I	S	R	N	D	S	K	N	T	L	Y
60	<u>N</u>	<u>A</u>	<u>A</u>	<u>F</u>	<u>I</u>	<u>S</u>	<u>R</u>	<u>F</u>	<u>T</u>	<u>I</u>	<u>S</u>	<u>R</u>	<u>D</u>	<u>N</u>	<u>S</u>	<u>K</u>	<u>N</u>	<u>T</u>	<u>L</u>	<u>Y</u>
81	L	Q	M	N	<u>S</u>	L	Q	A	Z	V	S	A	I	Y	Y	C	A	R	D	A
80	L	Q	M	N	<u>S</u>	L	Q	A	E	<u>D</u>	<u>T</u>	A	I	Y	Y	C	A	R	<u>A</u>	<u>A</u>
101	G	P	Y	V	S	P	T	F	F	A	H	W	G	Q	G	T	L	V	T	V
99	<u>G</u>	<u>D</u>	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>D</u>	<u>G</u>	<u>F</u>	<u>A</u>	<u>Y</u>	<u>W</u>	<u>G</u>	<u>Q</u>	<u>G</u>	<u>T</u>	<u>L</u>	<u>V</u>	<u>T</u>	<u>V</u>	
121	S	S																		
118	S	S																		

FIGURE 30

07-634278

VC13

10 20 30 40 50 60  
 TTCTGCTGGT ACCAGTACAT GAAACTTACA CTTGAGCTGC CACTGCAGGT GATGGTGACG  
 70 80 90 100  
 GGGTCACCCA CTGAGGCACT GAGGCTAGAT GGAGACTGGG TCATTTC

VC14

10 20 30 40 50 60  
 CATGTACTGG TACCAGCAGA AGCCAGGAAA AGCTCCGAAA CTTCTGATTT ATGACACATC  
 70 80 90 100 110 120  
 CAACCTGGCT TCTGGAGTCC CTTCCCGCTT CAGTGGCAGT GGGTCTGGGA CCGATTACAC  
 130  
 CTTTACAATC TCTTCA

VC15

10 20 30 40 50 60  
 TGTGTCTAGA AAAGTGTACT TACGTTTTAC CTCGACCTTG GTCCCTTGAC CGAACGTGAG  
 70 80 90 100 110 120  
 CGGGTAAGTA CTCCACTGCT GGCAGTAATA AGTGGCTATA TCTTCCGGCT GAAGTGAAGA  
 130  
 GATTGTAAAG GTGTAAT

VC16

10 20 30 40 50 60  
 CACATCTAGA CCACCATGGA TTTTCAAGTG CAGATCTTCA GCTTCCTGCT AATCAGTGCC  
 70 80 90 100  
 TCAGTCATAC TGTCCAGAGG AGATATTCAA ATGACCCAGT CTCCATCT

FIGURE 31A

07 634278

vc11

10 20 30 40 50 60  
 TAGTCTGTCTG ACCCACCCT CCATATCACT CCCACCCACT CGAGTCCCTT TCCAGGAGCC  
 70 80 90 100 110 120  
 TGGCGGACCC AGTGTACACC ATAACCTGTT ACGGTGAAAC CACTGGCGGC ACAAGACAGT  
 130  
 CTCAGAGATC CTCCTGGC

vc12

10 20 30 40 50 60  
 TGGTGGGTCTG ACAGACTATA ATGCAGCTTT CATATCCAGA TTTACCATCA GCAGAGACCA  
 70 80 90 100 110 120  
 CAGCAAGAAC ACACTGTATC TCCAAATGAA TAGCCTGCAA GCCGAGGACA CAGCCATATA  
 TTATTG

wps54

10 20 30 40 50 60  
 ACACTCTAGA CCACCATGGC TGTCTTGGGG CTGCTCTTCT GCCTGGTGAC ATTCCCAAGC  
 70 80 90 100 110 120  
 TGTGTCCTAT CCGCTGTCCA GCTGCTAGAG AGTGGTGGCG GTCTGGTGCA GCCAGGAGGA  
 130  
 TCTCTGAGAC

wps57

10 20 30 40 50 60  
 ACACTCTAGA AGTTAGGACT CACCTGAAGA GACAGTGACC AGAGTCCCTT GGCCCCAGTA  
 70 80 90 100 110  
 AGCAAAACCG TCGTAATTAT AGTCCCCAGC TCTGGCACAA TAATATATGG CTGTGTCC

FIGURE 31B



07 634278

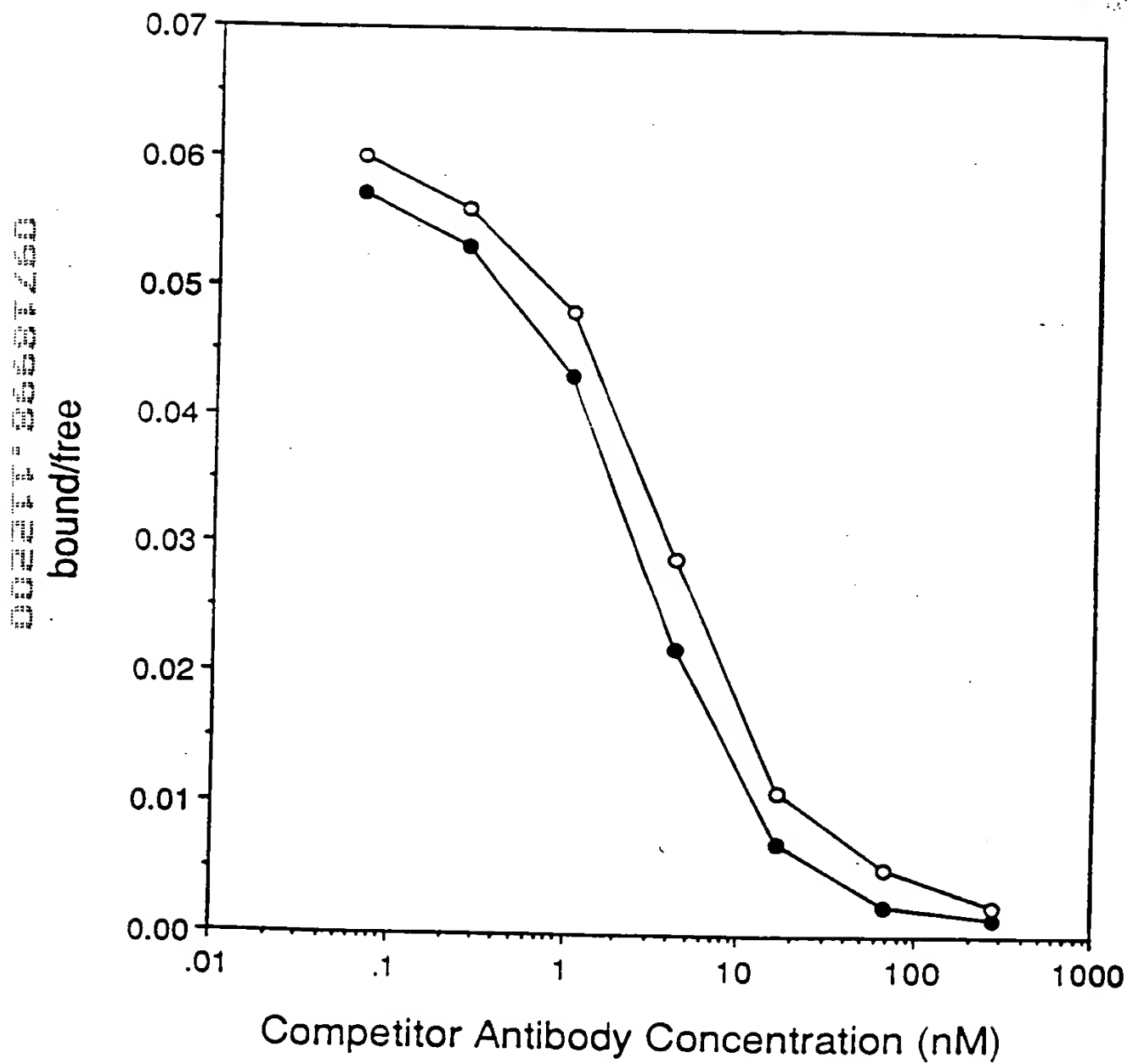


FIGURE 32

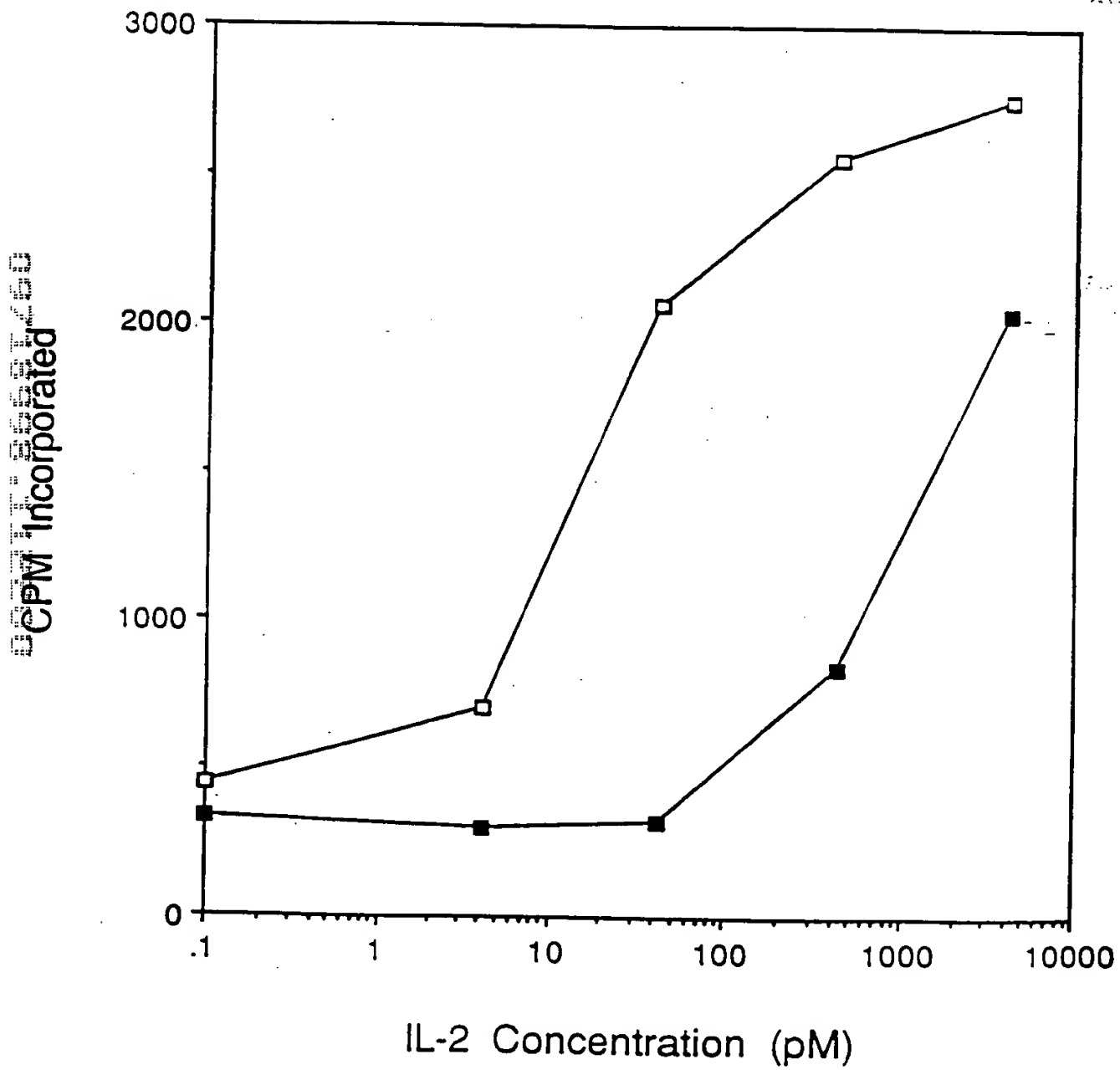


FIGURE 33

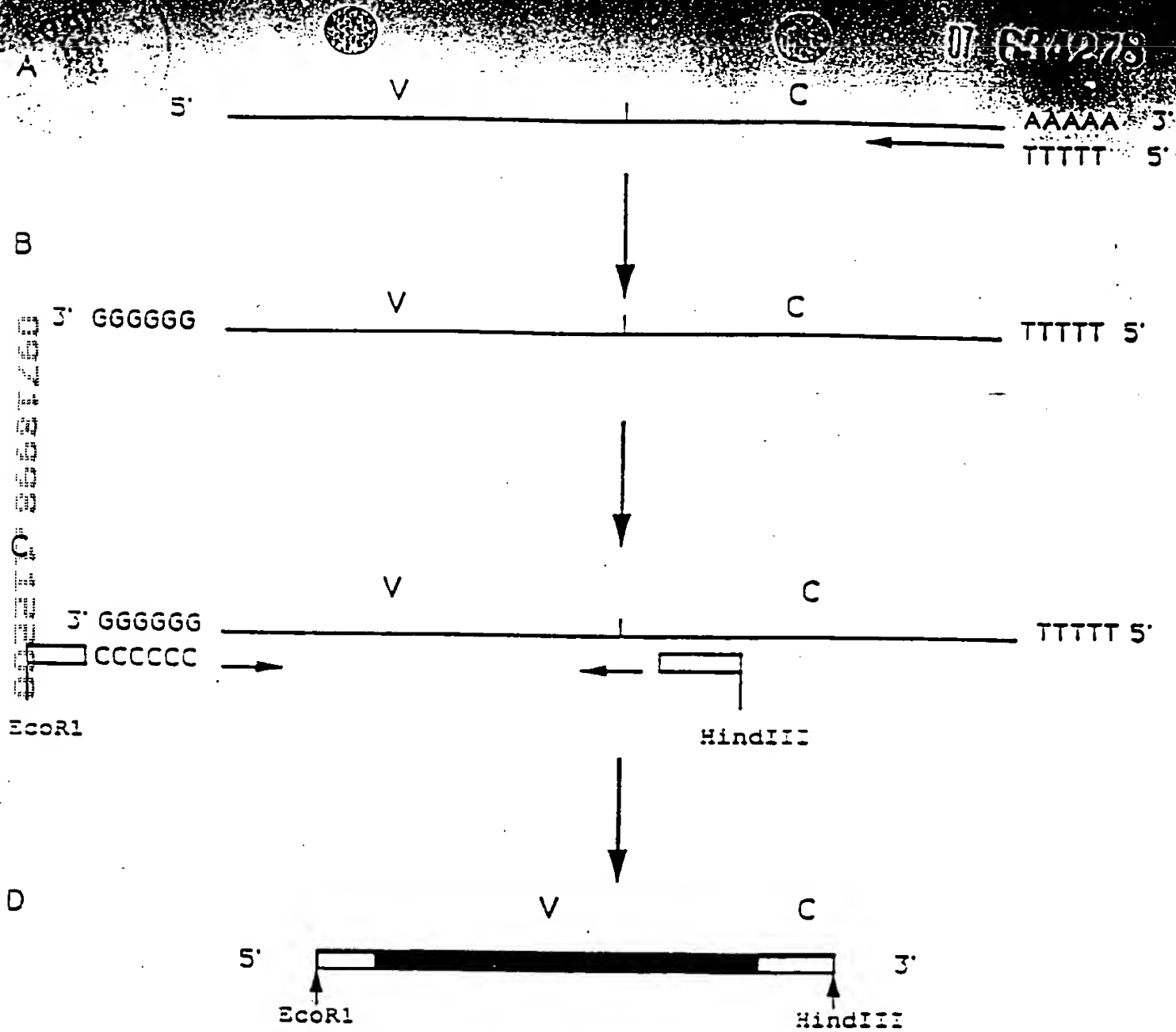


FIGURE 34

634278 07

SCANNED. # 14

(A)

1	5	10	15	20
E M I L V E S G G L V K P G A S L K L				
E V Q L L E S G G G L V Q P G G S L R L				
25	30	35	40	
S C A A S G F T F S N Y G L S W V R Q T				
S C A A S G F T F S N Y G L S W V R Q T				
45	50	52	55	
S D R R L E W V A S I S R G G R I Y S				
P G K G L E W V A S I S R G G R I Y S				
60	65	70	75	
P D N L K G R F T I S R E D A K N T L Y				
P D N L K G R F T I S R E D A K N T L Y				
80	82	a	b	c
L Q M S S L K S E D T A L Y Y C L R E G				
L Q M S S L K S E D T A L Y Y C L R E G				
100	a	b	c	d
I Y Y A D Y G F F D V W G T G T T V I V				
I Y Y A D Y G F F D V W G T G T T V I V				
113				
S S				
S S				

FIGURE 35A

(B)

[illegible]

	25	27	a	b	c	d	30	35
I S C	H A	S Q	S V	S S	T S	T Y	N Y	M H
L S C	R A	S Q	S V	S S	T S	T Y	N Y	M H

40	45	50	55
Q Q K P G Q P P K L I K	Y A S N L E S		
Q Q K P G Q S P R L I K	Y A S N L E S		

G	V	P	A	R	F	S	G	S	G	F	G	T	D	F	T	L	N	I	H														
G	I	P	A	R	F	S	G	S	G	S	G	T	E	F	T	L	T	I	S														
									60								65								70								75

	80			85			90			95									
P	V	E	E	E	D	T	V	T	Y	Y	C	Q	H	S	W	E	I	P	Y
R	L	E	S	E	D	F	A	V	Y	Y	C	Q	H	S	W	E	I	P	Y

T	F	G	G	G	T	K	L	E	I	K		107
T	F	G	Q	Q	T	R	V	E	I	K		107

**FIGURE 35B**

(C)

1	5	10	15	20
Q V Q L Q Q S D A E L V K P G A S V K I				
Q V Q L V Q S S G A E E V K K P G S S V K V				
25	30	35	40	
S C K V S S G Y T F T T D H T I H W M K Q R				
S C K A S S G Y T F T T D H T I H W M R Q A				
45	50	52 a	55	
P E Q G L E W F G Y I Y P R D G H T R Y				
P G Q G L E W F G Y I Y P R D G H T R Y				
60	65	70	75	
S E K F K G K A T L T A D K S A S T A Y				
A E K F K G K A T I T A D E S T N T A Y				
80	82 a b c	85	90	95
M H L N S L T S E D S A V Y F C A R G R				
M E L S S L R S E D T A V Y F C A R G R				
100 a b c d	105	110		
D S R E R N G F A Y W G Q G T L V T V S				
D S R E R N G F A Y W G Q G T L V T V S				
113				
A				
S				

FIGURE 35C

(D)

1	5	10	15	20
D I V M T Q S H K F M S T S V G D R V S				
D I Q M T Q S P S T L S A S V G D R V T				
25	30	35	40	
I I C K A S Q D V G S A V V W H Q Q K S				
I T C K A S Q D V G S A V V W H Q Q K P				
45	50	55	60	
G Q S P K L L I Y W A S T R H T G V P D S				
G K A P K L L I Y W A S T R H T G V P S				
65	70	75	80	
R F T G S G S G T D F T L T I T N V Q S				
R F T G S G S G T E F T L T I S S L Q P				
85	90	95	100	
E D L A D Y F C Q Q Y S I F P L T F G A				
D D F A T Y F C Q Q Y S I F P L T F G Q				
105	107			
G T R L E L K				
G T K V E V K				

FIGURE 35D

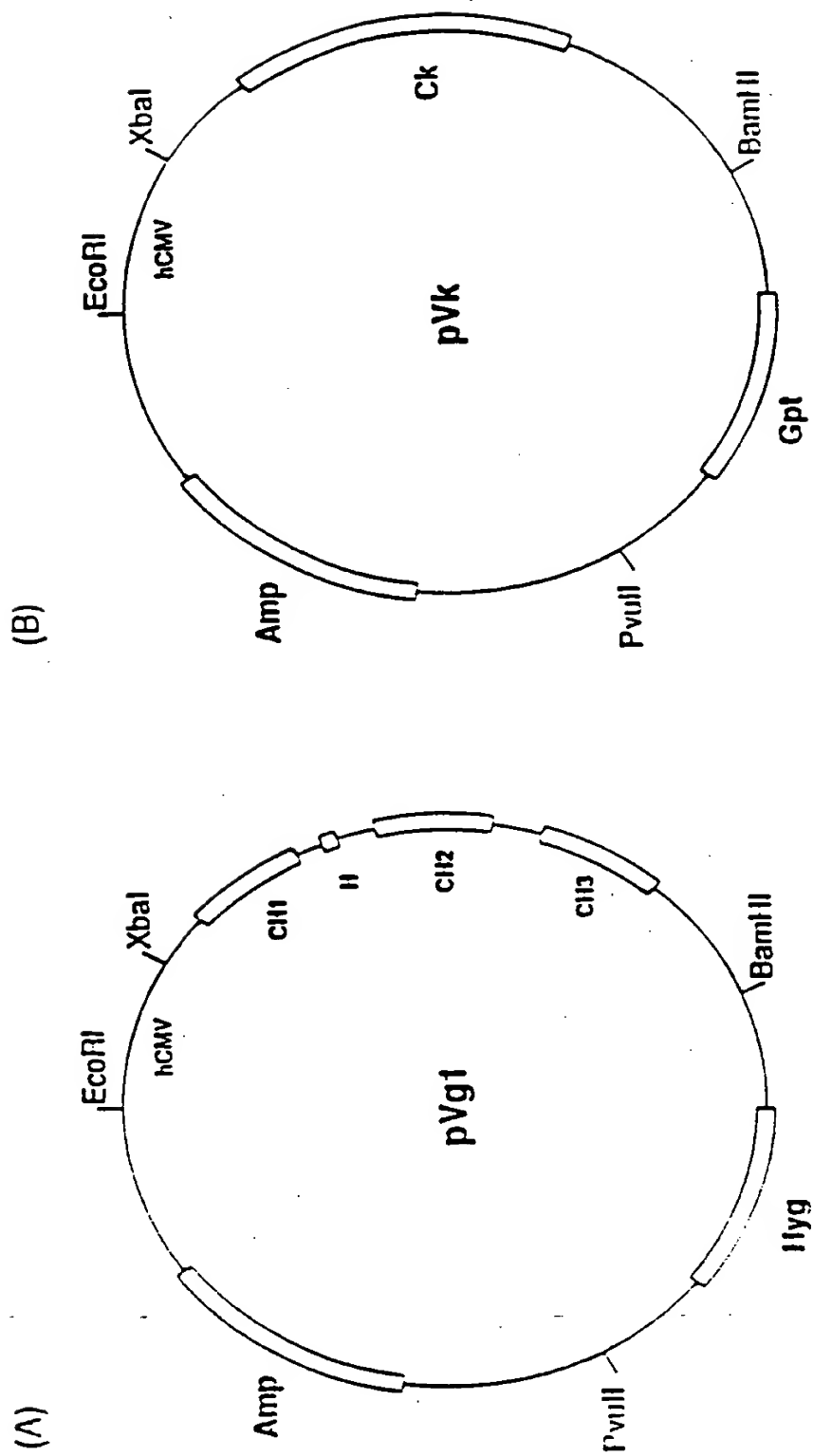


FIGURE 36



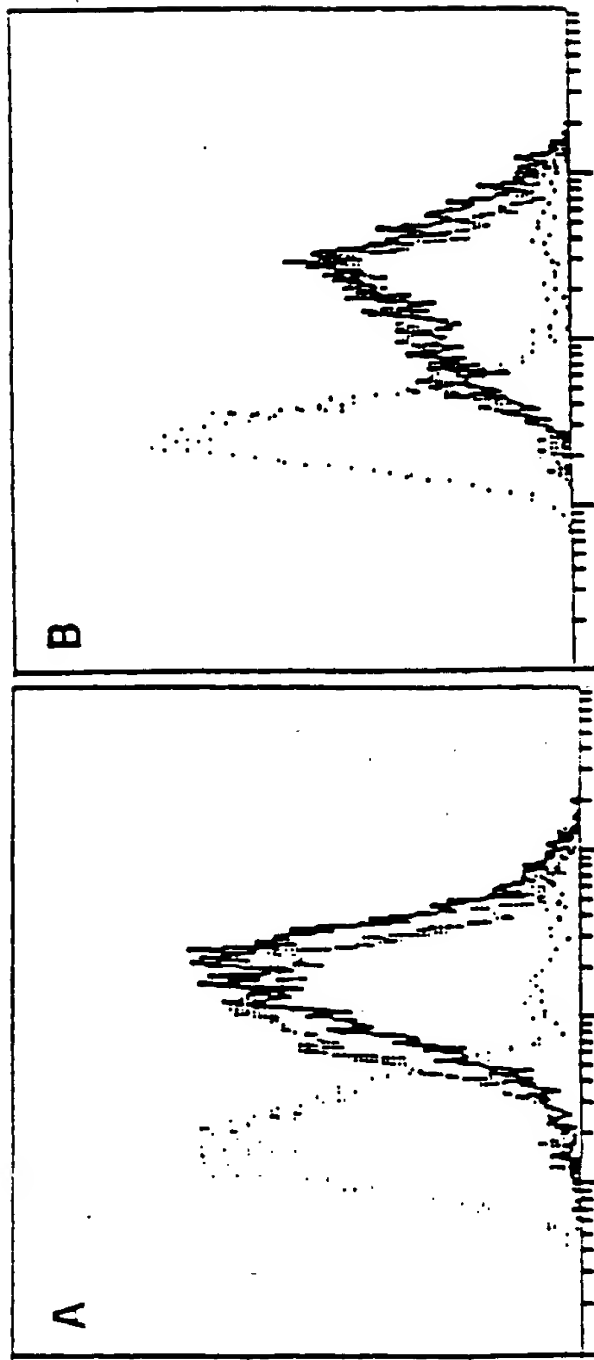


FIGURE 37

634278

(A)

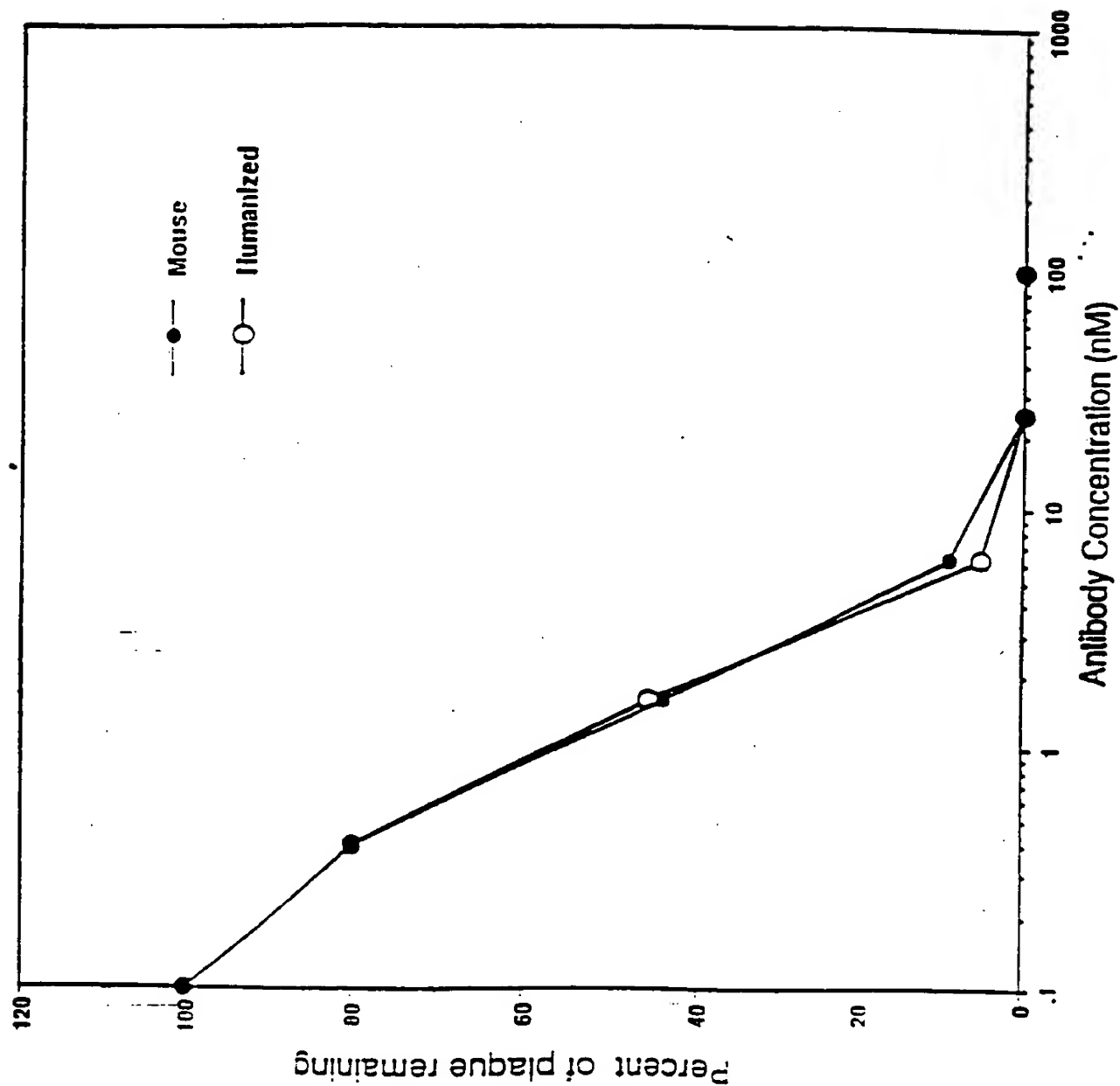
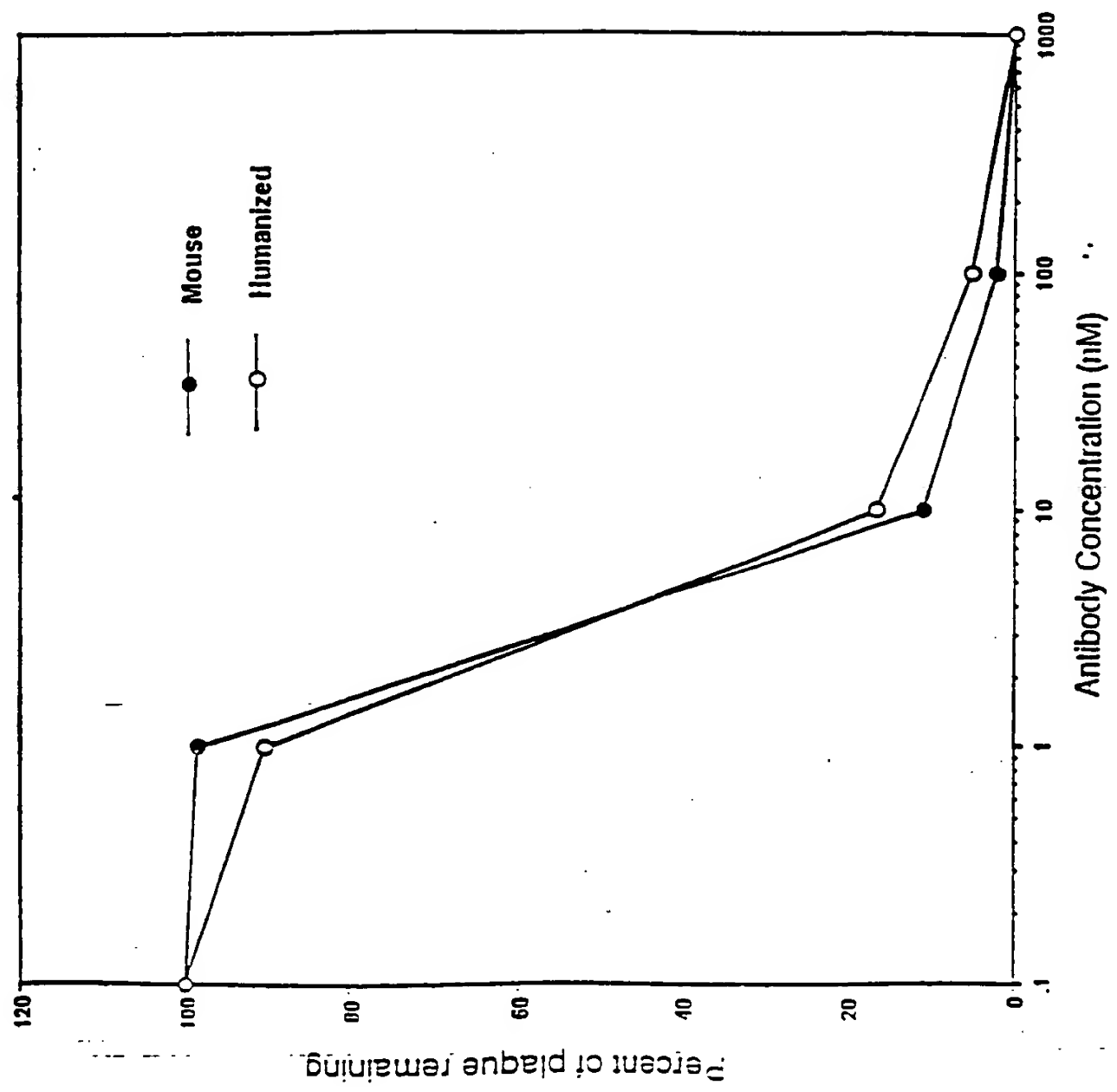


FIGURE 38A

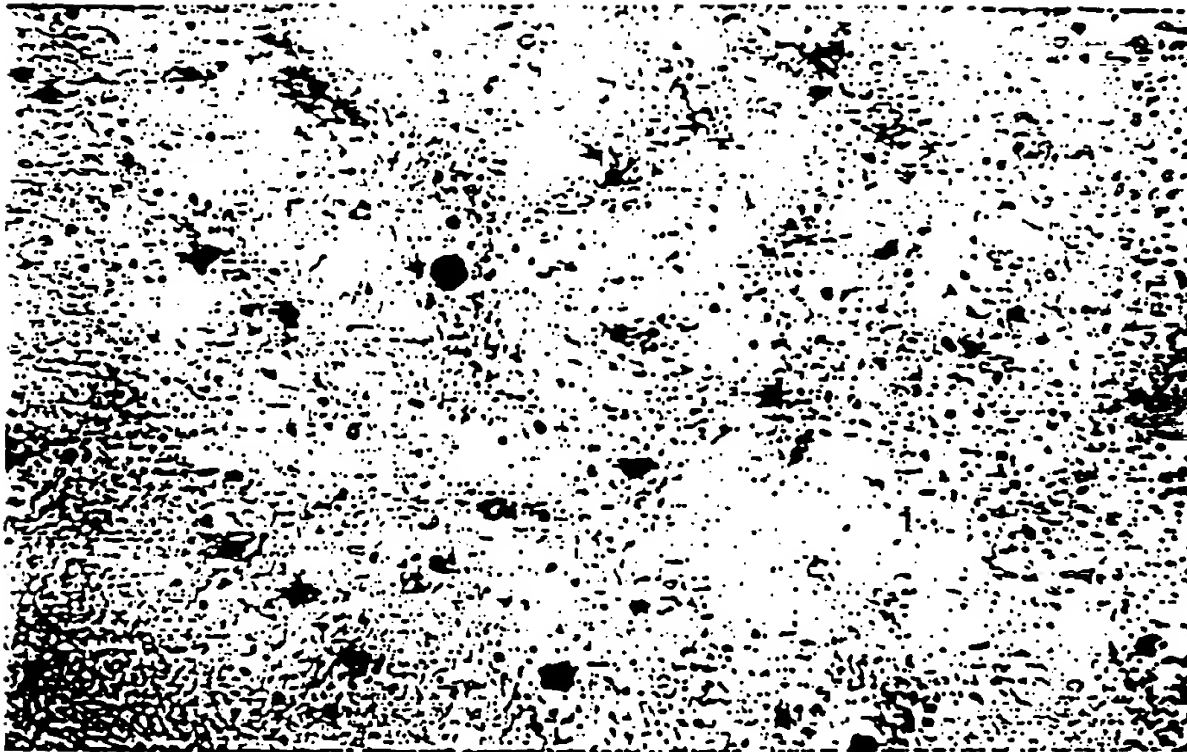
SCANNED, # 14

(B)



(A)

07 634278



(B)

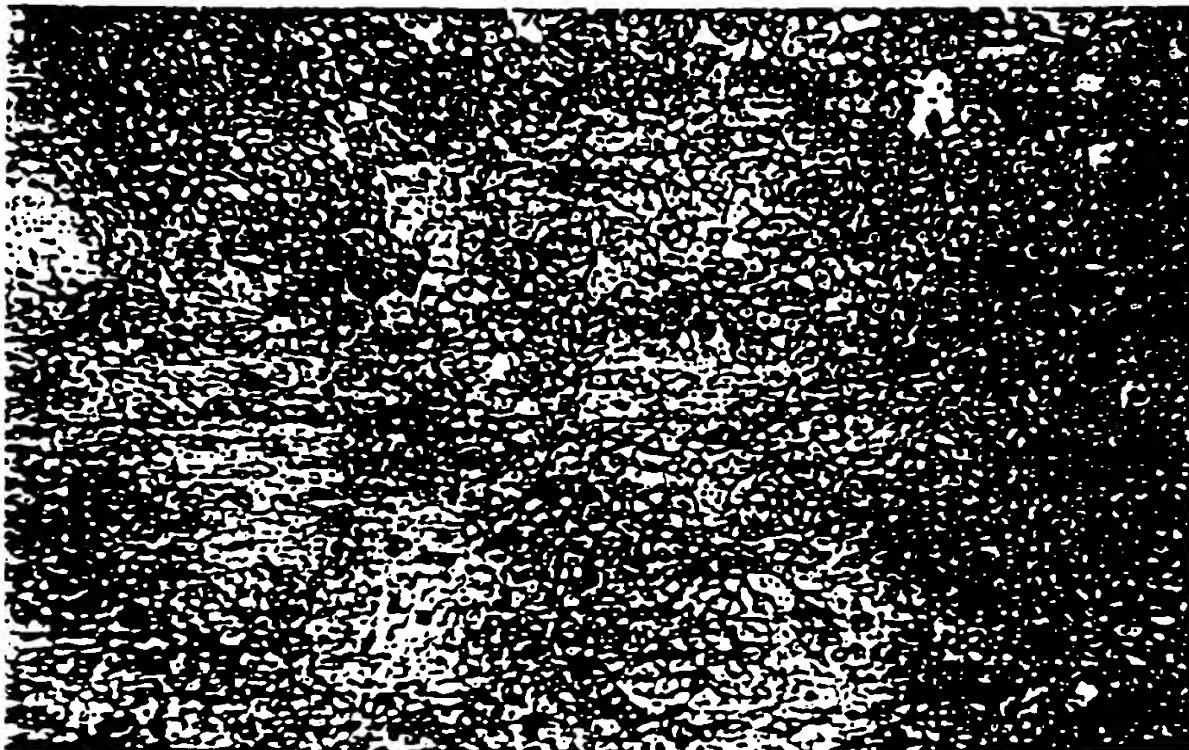


FIGURE 39

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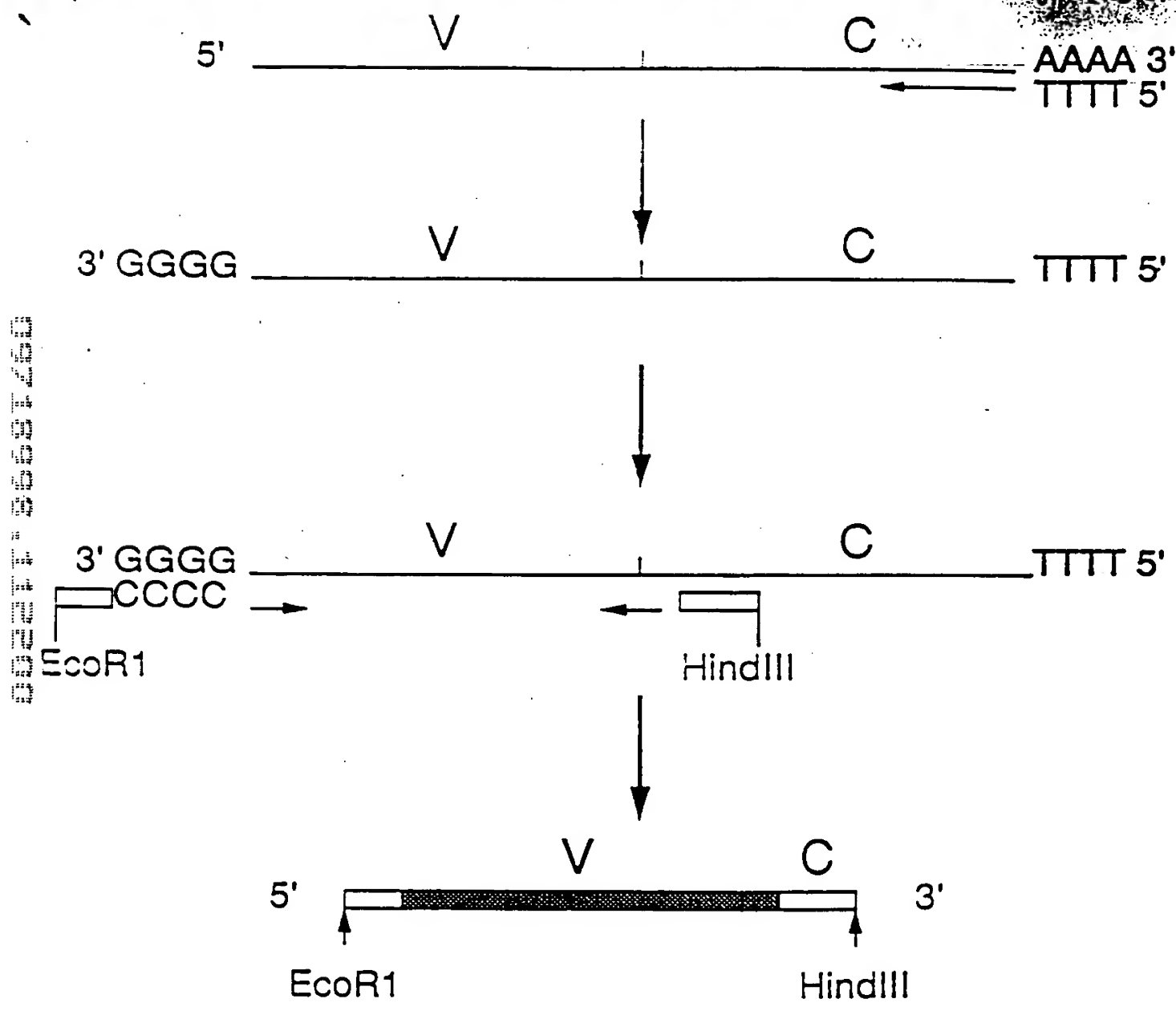


FIGURE 40

A

07

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30 60  
ATGGAGAAAGACACACTCCTGCTATGGGTCCTGCTTCTCTGGGTTCCAGGTTCCACAGGT  
M E K D T L L L W V L L L W V P G S T G

90 120  
GACATTGTGCTGACCCAATCTCCAGCTTCTTTGGCTGTGTCTCTAGGGCAGAGGGCCACC  
D I V L T Q S P A S L A V S L G Q R A T

150 180  
ATCTCCTGCAGAGCCAGCGAAAGTGTGATAATTATGGCATTAGTTTTATGAACTGGTTC  
I S C R A S E S V D N Y G I S F M N W F

210 240  
CAACAGAAACCAGGACAGCCACCCAACTCCTCATCTATGCTGCATCCAACCAAGGATCC  
Q Q K P G Q P P K L L I Y A A S N Q G S

270 300  
GGGGTCCCTGCCAGGTTTAGTGGCAGTGGGTCTGGGACAGACTTCAGCCTCAACATCCAT  
G V P A R F S G S G S G T D F S L N I H

330 360  
CCTATGGAGGAGGATGATACTGCAATGTATTTCTGTGTCAGCAAAGTAAGGAGGTTCCGTGG  
P M E E D D T A M Y F C Q Q S K E V P W

390  
ACGTTCCGGTGGAGGCACCAAGCTGGAAATCAAA  
T F G G G T K L E I K

B

30 60  
ATGGGATGGAGCTGGATCTTTCTCTCCTCCTGTCAGGAAGTGCAGGCGTCCACTCTGAG  
M G W S W I F L F L L S G T A G V H S E

90 120  
GTCCAGCTTCAGCAGTCAGGACCTGAGCTGGTGAAACCTGGGGCCTCAGTGAAGATATCC  
V Q L Q Q S G P E L V K P G A S V K I S

150 180  
TGCAAGGCTTCTGGATACACATTCACTGACTACAACATGCACTGGGTGAAGCAGAGCCAT  
C K A S G Y T F T D Y N M H W V K Q S H

210 240  
GGAAAGAGCCTTGAGTGGATTGGATATATTTATCCTTACAATGGTGGTACTGGCTACAAC  
G K S L E W I G Y I Y P Y N G G T G Y N

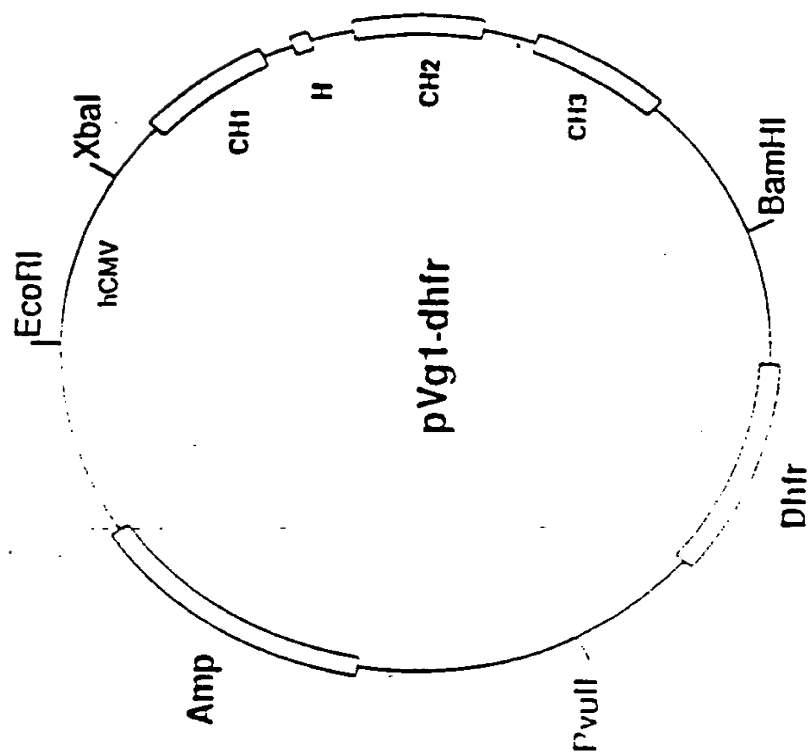
270 300  
CAGAAGTTCAAGAGCAAGGCCACATTGACTGTAGACAATTCCTCCAGCACAGCCTACATG  
Q K F K S K A T L T V D N S S S T A Y M

330 360  
GACGTCCGCAGCCTGACATCTGAGGACTCTGCAGTCTATTACTGTGCAAGAGGGCGCCCC  
D V R S L T S E D S A V Y Y C A R G R P

390  
GCTATGGACTACTGGGGTCAAGGAACCTCAGTCACCGTCTCCTCA  
A M D Y W G Q G T S V T V S S

FIGURE 41

(A)



(B)

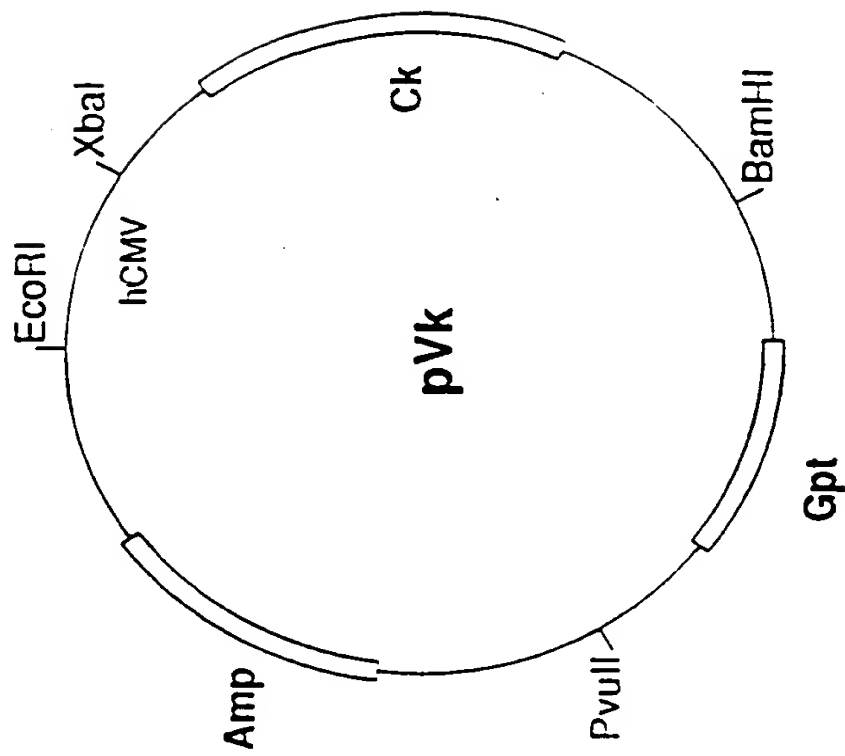


FIGURE 42

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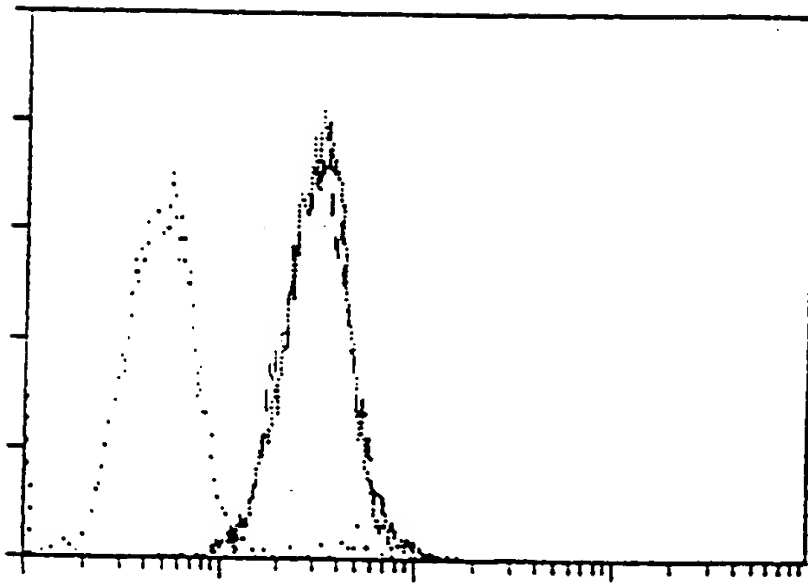


FIGURE 43

00716000 11000



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A

1	D	I	Q	M	T	Q	S	P	S	<u>T</u>	L	S	A	S	V	G	D	R	V	T
1	D	I	Q	M	T	Q	S	P	S	<u>S</u>	L	S	A	S	V	G	D	R	V	T
21	I	T	C	R	A	S	Q	S		I	N				T	W	L	A	W	Y
21	I	T	C	<u>R</u>	<u>A</u>	<u>S</u>	<u>E</u>	<u>S</u>	<u>V</u>	<u>D</u>	<u>N</u>	<u>Y</u>	<u>G</u>	<u>I</u>	<u>S</u>	<u>F</u>	<u>M</u>	<u>N</u>	<u>W</u>	<u>F</u>
37	Q	Q	K	P	G	K	A	P	K	L	L	M	Y	K	A	S	S	L	E	S
41	Q	Q	K	P	G	K	A	P	K	L	L	<u>I</u>	Y	<u>A</u>	<u>A</u>	<u>S</u>	<u>N</u>	<u>Q</u>	<u>G</u>	<u>S</u>
57	G	V	P	S	R	F	<u>I</u>	G	S	G	S	G	T	E	F	T	L	T	I	S
61	G	V	P	S	R	F	<u>S</u>	G	S	G	S	G	T	<u>D</u>	F	T	L	T	I	S
77	S	L	Q	P	D	D	F	A	T	Y	Y	C	Q	Q	Y	N	S	D	S	K
81	S	L	Q	P	D	D	F	A	T	Y	Y	C	<u>Q</u>	<u>Q</u>	<u>S</u>	<u>K</u>	<u>E</u>	<u>V</u>	<u>P</u>	<u>M</u>
97	M	F	G	Q	G	T	K	V	E	V	K									
101	<u>T</u>	F	G	Q	G	T	K	V	E	<u>I</u>	K									

B

1	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	S	S	V	K	V
1	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	S	S	V	K	V
21	S	C	K	A	S	G	G	T	F	S	R	S	A	I	I	W	V	R	Q	A
21	S	C	K	A	S	G	<u>Y</u>	T	F	<u>T</u>	<u>D</u>	<u>Y</u>	<u>N</u>	<u>M</u>	<u>H</u>	W	V	R	Q	A
41	P	G	Q	G	L	E	W	M	G	G	I	V	P	M	F	G	P	P	N	Y
41	P	G	Q	G	L	E	W	<u>I</u>	G	<u>Y</u>	<u>I</u>	<u>Y</u>	<u>P</u>	<u>Y</u>	<u>N</u>	<u>G</u>	<u>G</u>	<u>T</u>	<u>G</u>	<u>Y</u>
61	A	Q	K	F	Q	G	R	V	T	I	T	A	D	E	S	T	N	T	A	Y
61	<u>N</u>	<u>Q</u>	<u>K</u>	<u>F</u>	<u>K</u>	<u>S</u>	<u>K</u>	<u>A</u>	T	I	T	A	D	E	S	T	N	T	A	Y
81	M	E	L	S	S	L	R	S	E	D	T	A	F	Y	F	C	A	G	G	Y
81	M	E	L	S	S	L	R	S	E	D	T	A	<u>V</u>	<u>Y</u>	<u>Y</u>	C	A	<u>R</u>	<u>G</u>	
101	G	I	Y	S	P	E	E	Y	N	G	G	L	V	T	V	S	S			
100	<u>R</u>	<u>P</u>	<u>A</u>	<u>M</u>	<u>D</u>	<u>Y</u>	<u>W</u>	<u>G</u>	<u>Q</u>	<u>G</u>	<u>T</u>	L	V	T	V	S	S			

FIGURE 44

07 634278

ma1

10 20 30 40 50 60  
TATATCTAGA CCACCATGGG ATGGAGCTGG ATCTTTCTCT TCCTCCTGTC AGGAACTGCT  
70 80 90 100 110 120  
GGCGTCCACT CTCAGGTTCA GCTGGTGCAG TCTGGAGCTG AGGTGAAGAA GCCTGGGAGC  
130  
TCAGTGAAGG TT

ma2

10 20 30 40 50 60  
AGCCGGTACC ACCATTGTAA GGATAAATAT ATCCAATCCA TTCCAGGCCT TGGCCAGGAG  
70 80 90 100 110 120  
CCTGCCTCAC CCAGTGCATG TTGTAGTCAG TGAAGGTGTA GCCAGAAGCT TTGCAGGAAA  
130  
CCTTCACTGA GCT

ma3

10 20 30 40 50 60  
TGGTGGTACC GGCTACAACC AGAAGTTCAA GAGCAAGGCC ACAATTACAG CAGACGAGAG  
70 80 90 100 110  
TACTAACACA GCCTACATGG AACTCTCCAG CCTGAGGTCT GAGGACACTG CA

ma4

10 20 30 40 50 60  
TATATCTAGA GGCCATTCTT ACCTGAAGAG ACAGTGACCA GAGTCCCTTG GCCCCAGTAG  
70 80 90 100 110  
TCCATAGCGG GGCGCCCTCT TGCGCAGTAA TAGACTGCAG TGTCCTCAGA C

FIGURE 45A

U 634278

ma5

10	20	30	40	50	60
TATATCTAGA	CCACCATGGA	GAAAGACACA	CTCCTGCTAT	GGGTCCTGCT	TCTCTGGGTT
70	80	90	100	110	120
CCAGGTTC	CAGGTGACAT	TCAGATGACC	CAGTCTCCGA	GCTCTCTGTC	CGCATCAGTA

GG

ma6

10	20	30	40	50	60
TCAGAAGCTT	AGGAGCCTTC	CCGGGTTTCT	GTTGGAACCA	G TTCATAAAG	CTAATGCCAT
70	80	90	100	110	120
AATTGTCGAC	ACTTTCGCTG	GCTCTGCATG	TGATGGTGAC	CCTGTCTCCT	ACTGATGCGG

AC

ma7

10	20	30	40	50	60
TCCTAAGCTT	CTGATTTACG	CTGCATCCAA	CCAAGGCTCC	GGGGTACCCT	CTCGCTTCTC
70	80	90	100	110	
AGGCAGTGGA	TCTGGGACAG	ACTTCACTCT	CACCATTTC	TCTCTGCAGC	CTGATGACT

ma8

10	20	30	40	50	60
TATATCTAGA	CTTTGGATTC	TACTTACGTT	TGATCTCCAC	CTTGGTCCCT	TGACCGAACG
70	80	90	100	110	
TCCACGGAAC	CTCCTTACTT	TGCTGACAGT	AATAGGTTGC	GAAGTCATCA	GGCTGCAG

FIGURE 45B

07 634278

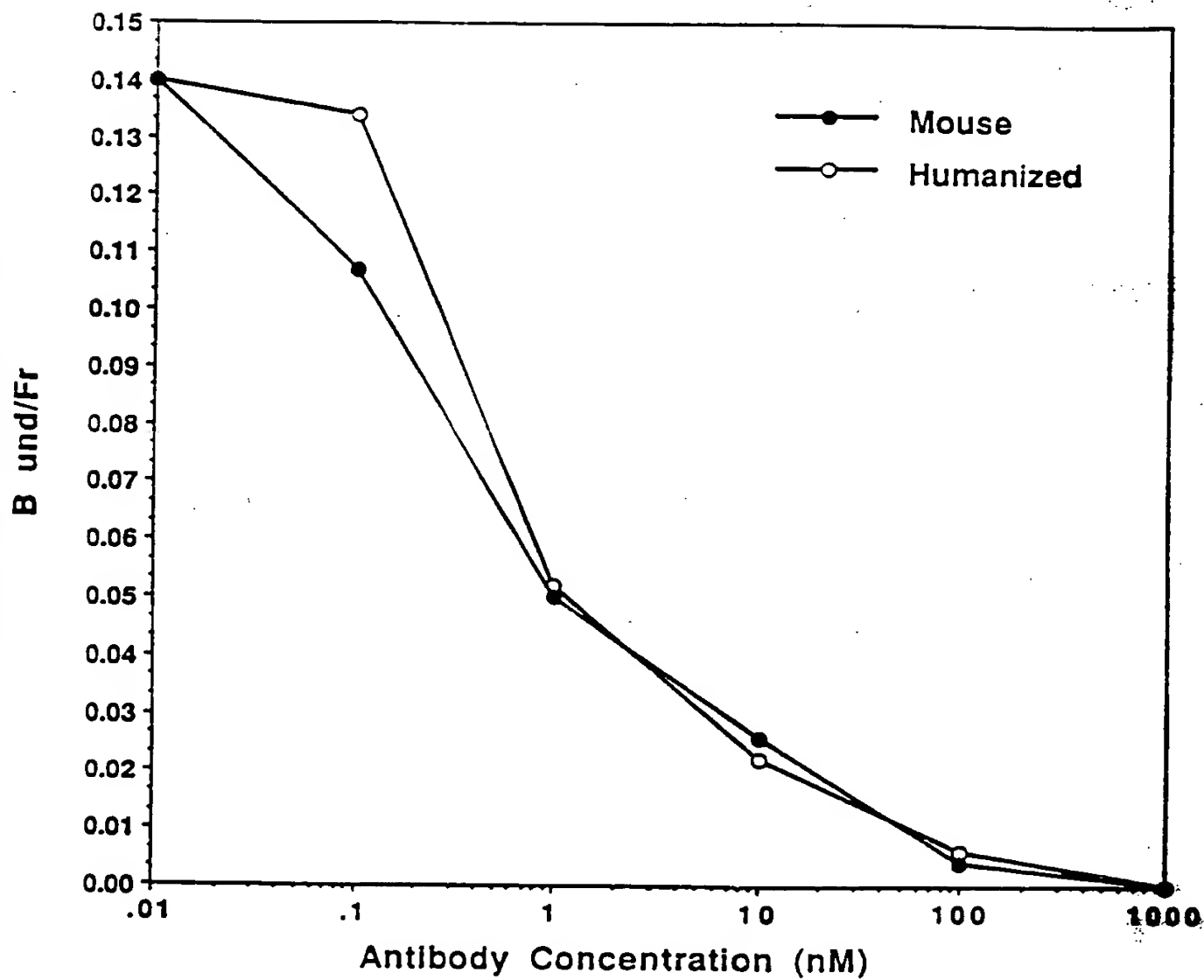


FIGURE 46

07 634278

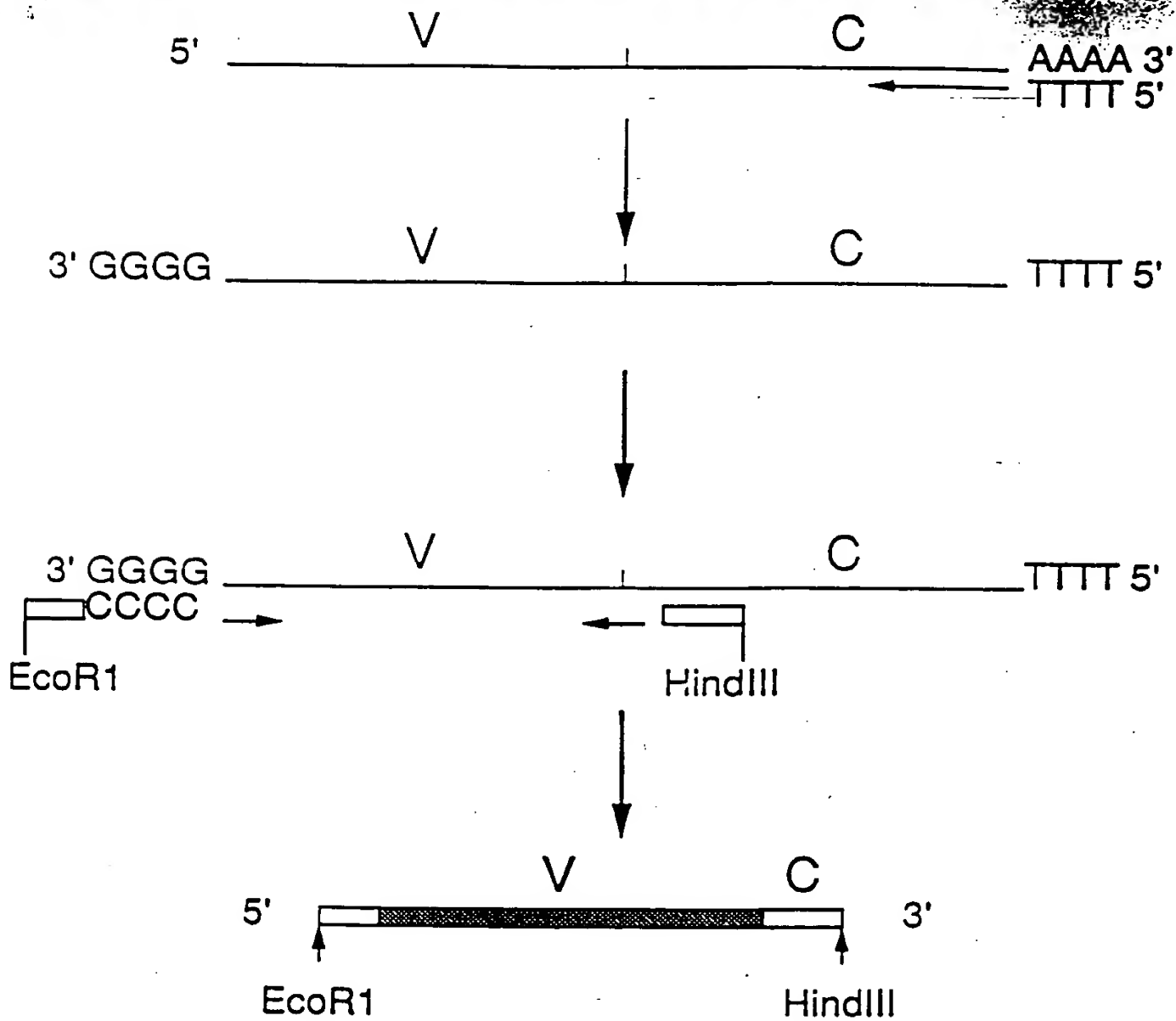


FIGURE 47

A

07 634278

ATGGTTTTACACCTCAGATACTTGGACTTATGCTTTTTTGGATTTACAGCCTCCAGAGGT  
M V F T P Q I L G L M L F W I S A S R G

GATATTGTGCTAACTCAGTCTCCAGCCACCCTGTCTGTGACTCCGGGAGATAGCGTCAGT  
D I V L T Q S P A T L S V T P G D S V S

CTTTCCTGCAGGGCCAGCCAAAGTATTAGCAACAACCTACACTGGTATCAACAAAAATCA  
L S C R A S Q S I S N N L H W Y Q Q K S

CATGAGTCTCCAAGGCTTCTCATCAAGTATGCTTCCAGTCCATCTCTGGGATCCCCTCC  
H E S P R L L I K Y A S Q S I S G I P S

AGGTTCAAGTGGCAGTGGATCAGGGACAGATTTCACTCTCAGTGTCAACGGTGTGGAGACT  
R F S G S G S G T D F T L S V N G V E T

GAAGATTTTGAATGTATTTCTGTCAACAGAGTAACAGTTGGCCTCATACGTTCCGGAGGG  
E D F G M Y F C Q Q S N S W P H T F G G

GGGACCAAGCTGGAAATAAAA  
G T K L E I K

B

ATGGGATGGAGCTGGATCTTTCTCTTCTCCTGTCAGGAAGTGCAGGTGTCCACTCTGAG  
M G W S W I F L F L L S G T A G V H S E

GTCCAGCTGCAACAGTCTGGACCTGAGCTGGTGAAGCCTGGAGCTTCAATGAAGATATCC  
V Q L Q Q S G P E L V K P G A S M K I S

TGCAAGGCTTCTGTTTACTCATTCACTGGCTACACCATGAACTGGGTGAAGCAGAGCCAT  
C K A S V Y S F T G Y T M N W V K Q S H

GGACAGAACCTTGAGTGGATTGGACTTATTAATCCTTACAATGGTGGTACTAGCTACAAC  
G Q N L E W I G L I N P Y N G G T S Y N

CAGAAGTTCAAGGGGAAGGCCACATTAAGTGTAGACAAGTCATCCAACACAGCCTACATG  
Q K F K G K A T L T V D K S S N T A Y M

GAGCTCCTCAGTCTGACATCTGCGGACTCTGCAGTCTATTACTGTACAAGACGGGGGTTT  
E L L S L T S A D S A V Y Y C T R R G F

CGAGACTATTCTATGGACTACTGGGGTCAAGGAACCTCAGTCACCGTCTCCTCA  
R D Y S M D Y W G Q G T S V T V S S

FIGURE 48

000001 000001 000001

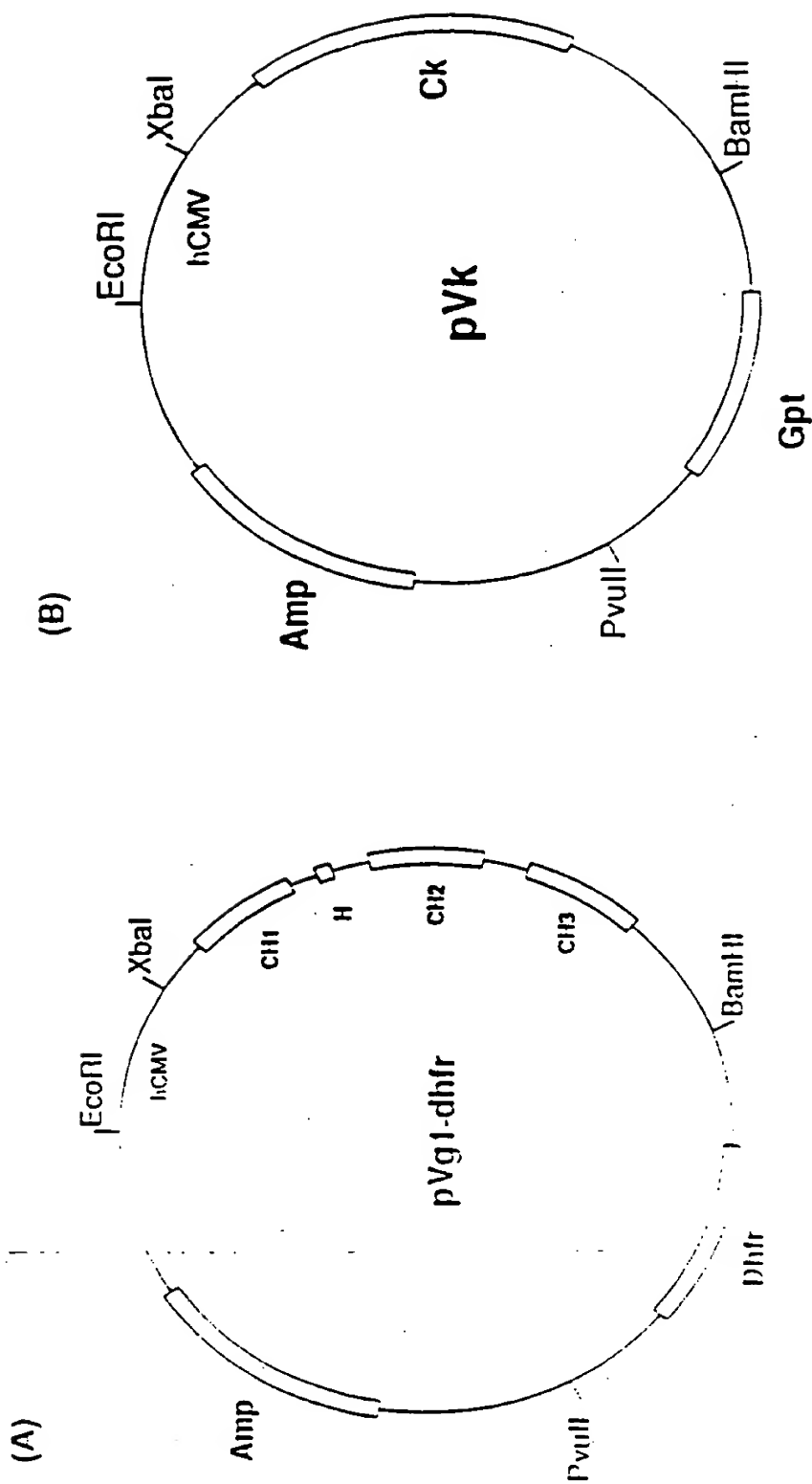


FIGURE 49

07 63422

07 634278

A

1	E	I	V	L	T	Q	S	P	G	T	L	S	L	S	P	G	E	R	A	T
1	E	I	V	L	T	Q	S	P	G	T	L	S	L	S	P	G	E	R	A	T
21	L	S	C	R	A	S	Q	S	V	S	S	G	Y	L	G	N	Y	Q	Q	K
21	L	S	C	R	A	S	Q	S	I	S	N	N	L	H	W	Y	Q	Q	K	K
41	P	G	Q	A	P	R	L	L	I	Y	G	A	S	S	R	A	T	G	I	P
40	P	G	Q	A	P	R	L	L	I	<u>K</u>	<u>Y</u>	<u>A</u>	<u>S</u>	<u>Q</u>	<u>S</u>	<u>I</u>	<u>S</u>	<u>G</u>	<u>I</u>	<u>P</u>
61	D	R	F	S	G	S	G	S	G	T	D	F	T	L	T	I	S	R	L	E
60	D	R	F	S	G	S	G	S	G	T	D	F	T	L	T	I	S	R	L	E
81	P	E	D	F	A	V	Y	Y	C	Q	Q	Y	G	S	L	G	R	T	F	G
80	P	E	D	F	A	V	Y	Y	C	<u>Q</u>	<u>Q</u>	<u>S</u>	<u>N</u>	<u>S</u>	<u>W</u>	<u>P</u>	<u>H</u>	<u>T</u>	<u>F</u>	<u>G</u>
101	Q	G	T	K	V	E	I	K												
100	Q	G	T	K	V	E	I	K												

B

1	Q	V	Q	L	M	Q	S	G	A	E	V	K	K	P	G	S	S	V	R	V
1	Q	V	Q	L	<u>V</u>	Q	S	G	A	E	V	K	K	P	G	S	S	V	R	V
21	S	C	K	T	S	G	G	T	F	V	D	Y	K	G	L	W	V	R	Q	A
21	S	C	K	<u>A</u>	S	G	<u>Y</u>	<u>S</u>	<u>F</u>	<u>T</u>	<u>G</u>	<u>Y</u>	<u>T</u>	<u>M</u>	<u>N</u>	<u>W</u>	<u>V</u>	<u>R</u>	<u>Q</u>	<u>A</u>
41	P	G	K	G	L	E	W	V	G	Q	I	P	L	R	F	N	G	E	V	K
41	P	G	K	G	L	E	W	V	G	<u>L</u>	<u>I</u>	<u>N</u>	<u>P</u>	<u>Y</u>	<u>N</u>	<u>G</u>	<u>G</u>	<u>T</u>	<u>S</u>	<u>Y</u>
61	N	P	G	S	V	V	R	V	S	V	S	L	K	P	S	F	N	Q	A	<u>H</u>
61	<u>N</u>	<u>Q</u>	<u>K</u>	<u>F</u>	<u>K</u>	<u>G</u>	<u>R</u>	<u>V</u>	<u>T</u>	<u>V</u>	<u>S</u>	<u>L</u>	<u>K</u>	<u>P</u>	<u>S</u>	<u>F</u>	<u>N</u>	<u>Q</u>	<u>A</u>	<u>Y</u>
81	M	E	L	S	S	L	F	S	E	D	T	A	V	Y	Y	C	A	R	E	Y
81	M	E	L	S	S	L	F	S	E	D	T	A	V	Y	Y	C	<u>T</u>	<u>R</u>	<u>R</u>	
101	G	F	D	T	S	D	Y	Y	Y	Y	Y	W	G	Q	G	T	L	V	T	V
100	<u>G</u>	<u>F</u>			<u>R</u>	<u>D</u>	<u>Y</u>	<u>S</u>	<u>M</u>	<u>D</u>	<u>Y</u>	<u>W</u>	<u>G</u>	<u>Q</u>	<u>G</u>	<u>T</u>	<u>L</u>	<u>V</u>	<u>T</u>	<u>V</u>
121	S	S																		
118	S	S																		

FIGURE 50



07 634278

jb16

10	20	30	40	50	60
TAGATCTAGA	CCACCATGGT	TTTCACACCT	CAGATACTAG	GACTCATGCT	CTTCTGGATT
70	80	90	100	110	120
TCAGCCTCCA	GAGGTGAAAT	TGTGCTAACT	CAGTCTCCAG	GCACCCTAAG	CTTATCACCG

GGAGAAAGG

jb17

10	20	30	40	50	60
TAGACAGAAT	TCACGCGTAC	TTGATAAGTA	GACGTGGAGC	TTGTCCAGGT	TTTTGTTGGT
70	80	90	100	110	120
ACCAGTGTAG	GTTGTTGCTA	ATACTTTGGC	TGGCCCTGCA	GGAAAGTGTA	GCCCTTTCTC

CCGGTGAT

jb18

10	20	30	40	50	60
AAGAGAATTC	ACGCGTCCCA	GTCCATCTCT	GGAATACCCG	ATAGGTTTCAG	TGGCAGTGGA
70	80	90	100	110	
TCAGGGACAG	ATTTCACTCT	CACAATAAGT	AGGCTCGAGC	CGGAAGATTT	TGC

jb19

10	20	30	40	50	60
TAGATCTAGA	GTTGAGAAGA	CTACTTACGT	TTTATTTCTA	CCTTGGTCCC	TTGTCCGAAC
70	80	90	100	110	
GTATGAGGCC	AACTGTTACT	CTGTTGACAA	TAATACACAG	CAAAATCTTC	CGGCTC

FIGURE 51A

07 634278

jb20

10	20	30	40	50	60
TATATCTAGA	CCACCATGGG	ATGGAGCTGG	ATCTTTCTCT	TCCTCCTGTC	AGGAACTGCA
70	80	90	100	110	120
GGTGTCCACT	CTCAAGTCCA	ACTGGTACAG	TCTGGAGCTG	AGGTTAAAAA	GCCTGGAAGT
130					
TCAGTAAGAG	TTTC				

jb21

10	20	30	40	50	60
TATATAGGTA	CCACCATTGT	AAGGATTAAT	AAGTCCAACC	CACTCAAGTC	CTTTTCCAGG
70	80	90	100	110	120
TGCCTGTCTC	ACCCAGTTCA	TGGTATACCC	AGTGAATGAG	TATCCGGAAG	CTTTGCAGGA
130					
AACTCTTACT	GAAC				

jb22

10	20	30	40	50	60
TATATAGGTA	CCAGCTACAA	CCAGAAGTTC	AAGGGCAGAG	TTACAGTTTC	TTTGAAGCCT
70	80	90	100	110	
TCATTTAACC	AGGCCTACAT	GGAGCTCAGT	AGTCTGTTTT	CTGAAGACAC	TGCAGT

jb23

10	20	30	40	50	60
TATATCTAGA	GGCCATTCTT	ACCTGAGGAG	ACGGTGACTA	AGGTTCTTTG	ACCCCAGTAG
70	80	90	100	110	
TCCATAGAAT	AGTCTCGAAA	CCCCCGTCTT	GTACAGTAAT	AGACTGCAGT	GTCTTC

FIGURE 51B

07 634278

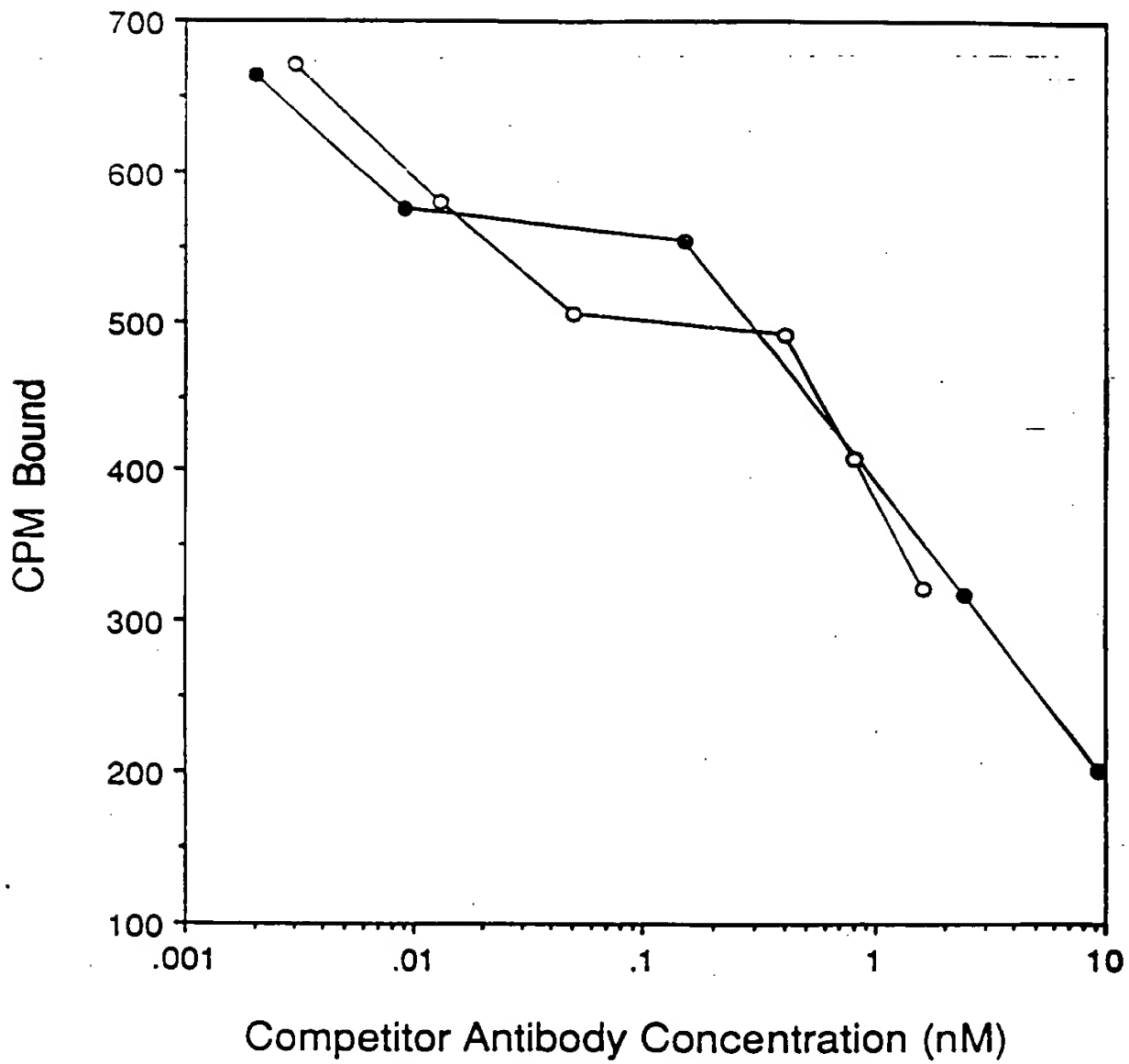


FIGURE 52

24



**FIGURE 53**

07 634278

30 60  
 ATGCATCAGACCAGCATGGGCATCAAGATGGAATCACAGACTCTGGTCTTCATATCCATA  
 M H Q T S M G I K M E S Q T L V F I S I

90 120  
 CTGCTCTGGTTATATGGTGCTGATGGGAACATTGTTATGACCCAATCTCCCAAATCCATG  
 L L W L Y G A D G N I V M T Q S P K S M

150 180  
 TACGTGTCAATAGGAGAGAGGGTCACCTTGAGCTGCAAGGCCAGTGAAAATGTGGATACT  
 Y V S I G E R V T L S C K A S E N V D T

210 240  
 TATGTATCCTGGTATCAACAGAAACCAGAGCAGTCTCCTAAACTGCTGATATATGGGGCA  
Y V S W Y Q Q K P E Q S P K L L I Y G A

270 300  
 TCCAACCGGTACACTGGGGTCCACGATCGCTTCACGGGCAGTGGATCTGCAACAGATTTC  
S N R Y T G V H D R F T G S G S A T D F

330 360  
 ACTCTGACCATCAGCAGTGTGCAGGCTGAAGACCTTGCAGATTATCACTGTGGACAGAGT  
 T L T I S S V Q A E D L A D Y H C G Q S

390  
 TACAACTATCCATTACGTTTCGGCTCGGGGACAAAGTTGGAAATAAAG  
Y N Y P F T F G S G T K L E I K

FIGURE 54A

07 634278

30 60  
ATGACATCACTGTTCTCTCTACAGTTACCGAGCACACAGGACCTCGCCATGGGATGGAGC  
M T S L F S L Q L P S T Q D L A M G W S

90 120  
TGTATCATCCTCTTCTTGGTAGCAACAGCTACAGGTGTCCTCTCCCAGGTCCAAGTGCAG  
C I I L F L V A T A T G V L S Q V Q L Q

150 180  
CAGCCTGGGGCTGACCTTGTGATGCCTGGGGCTCCAGTGAAGCTGTCCTGCTTGGCTTCT  
Q P G A D L V M P G A P V K L S C L A S

210 240  
GGCTACATCTTCACCAGCTCCTGGATAAACTGGGTGAAGCAGAGGCCTGGACGAGGCCTC  
G Y I F T S S W I N W V K Q R P G R G L

270 300  
GAGTGGATTGGAAGGATTGATCCTTCCGATGGTGAAGTTCACTACAATCAAGATTTCAAG  
E W I G R I D P S D G E V H Y N Q D F K

330 360  
GACAAGGCCACACTGACTGTAGACAAATCCTCCAGCACAGCCTACATCCAAGTCAACAGC  
D K A T L T V D K S S S T A Y I Q L N S

390 420  
CTGACATCTGAGGACTCTGCGGTCTATTACTGTGCTAGAGGATTTCTGCCCTGGTTTGCT  
L T S E D S A V Y Y C A R G F L P W F A

450  
GACTGGGGCCAAGGGACTCTGGTCACTGTCTCTGCA  
D W G Q G T L V T V S A

FIGURE 54B

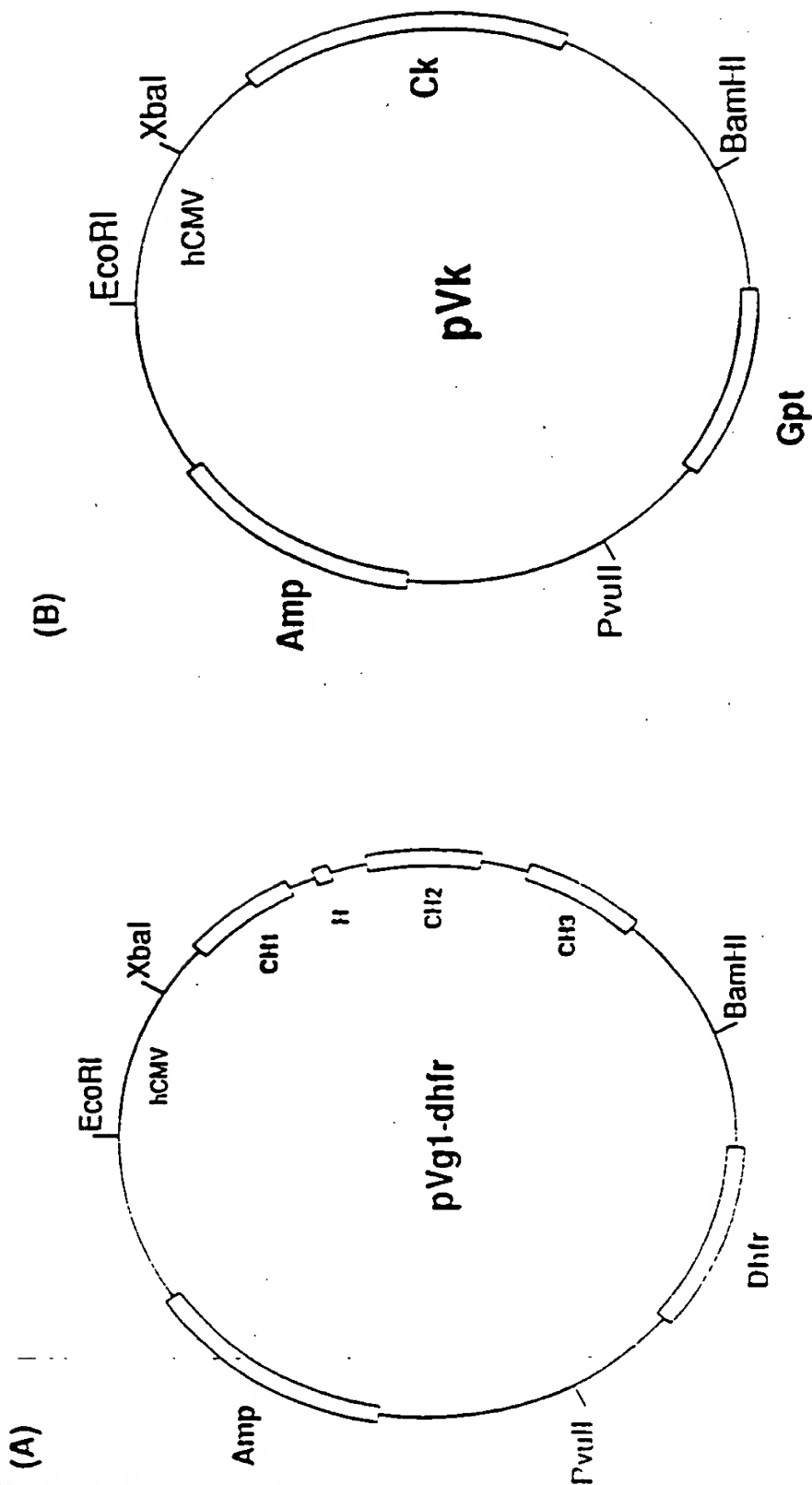


FIGURE 55

07 634278

A

1	D	I	Q	M	T	Q	S	P	S	T	L	S	A	S	V	G	D	R	V	T
1	D	I	Q	M	T	Q	S	P	S	T	L	S	A	S	V	G	D	<u>R</u>	V	T
21	I	T	C	R	A	S	Q	S	I	N	T	W	L	A	W	Y	Q	Q	K	P
21	I	T	C	<u>K</u>	A	S	<u>E</u>	N	V	D	T	Y	V	S	W	Y	Q	Q	K	P
41	G	K	A	P	K	L	L	M	Y	K	A	S	S	L	E	S	G	V	P	S
41	G	K	A	P	K	L	L	<u>I</u>	Y	<u>G</u>	A	S	N	R	Y	T	G	V	P	S
61	R	F	I	G	S	G	S	G	T	E	F	T	L	T	I	S	S	L	Q	P
61	R	F	<u>S</u>	G	S	G	S	G	T	<u>D</u>	F	T	L	T	I	S	S	L	Q	P
81	D	D	F	A	T	Y	Y	C		Q	Q	Y	N	S	D	S	K	M	F	G
81	D	D	F	A	T	Y	Y	C	<u>G</u>	<u>Q</u>	<u>S</u>	<u>Y</u>	<u>N</u>		<u>Y</u>	<u>P</u>	<u>F</u>	<u>T</u>	<u>F</u>	<u>G</u>
100	Q	G	T	K	V	E	V	K												
100	Q	G	T	K	V	E	V	K												

B

1	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	S	S	V	K	V
1	Q	V	Q	L	V	Q	S	G	A	E	V	K	K	P	G	S	S	V	K	V
21	S	C	K	A	S	G	<u>G</u>	<u>T</u>	F	<u>S</u>	R	S	A	I	I	W	V	R	Q	A
21	S	C	K	A	S	G	<u>Y</u>	<u>I</u>	F	<u>T</u>	<u>S</u>	<u>S</u>	<u>W</u>	<u>I</u>	<u>N</u>	W	V	R	Q	A
41	P	G	Q	G	L	E	W	M	G	G	I	V	P	M	F	G	P	P	N	Y
41	P	G	Q	G	L	E	W	M	G	<u>R</u>	<u>I</u>	<u>D</u>	<u>P</u>	<u>S</u>	<u>D</u>	<u>G</u>	<u>E</u>	<u>V</u>	<u>H</u>	<u>Y</u>
61	A	Q	K	F	Q	G	R	V	T	I	T	A	D	E	S	T	N	T	A	Y
61	<u>N</u>	<u>Q</u>	<u>D</u>	<u>F</u>	<u>K</u>	<u>D</u>	R	V	T	I	T	A	D	E	S	T	N	T	A	Y
81	M	E	L	S	S	L	R	S	E	D	T	A	F	Y	F	C	A	G	G	Y
81	M	E	L	S	S	L	R	S	E	D	T	A	<u>V</u>	Y	<u>Y</u>	C	A	<u>R</u>	<u>G</u>	<u>F</u>
101	G	I	Y	S	P	E	<u>E</u>	<u>Y</u>	<u>N</u>	<u>G</u>	<u>G</u>	L	V	T	V	S	S			
101	<u>L</u>	<u>P</u>	<u>W</u>	<u>F</u>	<u>A</u>	<u>D</u>	<u>W</u>	<u>G</u>	<u>Q</u>	<u>G</u>	<u>T</u>	L	V	T	V	S	S			

FIGURE 56



07 634278

r10

10 20 30 40 50  
 TTTTCTCTAG ACCACCATGG AGACCGATAC COTCCTGCTA TGGGTCCCTCC TGCTATGGGT  
 60 70 80 90 100 110  
 ACCAGGATCA ACCGGAGATA TTCAGATGAC CCAGTCTCCG TCGACCCTCT CTGCT

r11

10 20 30 40 50 60  
 TTTTAAGCTT GGGAGCTTTG CCTGGCTTCT GCTGATACCA GGATACATAA GTATCCACAT  
 70 80 90 100 110 120  
 TTTCAGTGGC CTTGCAGGTT ATGGTGACCC TATCCCCGAC GCTAGCAGAG AGGGTCGACG

r12

10 20 30 40 50 60  
 TTTTAAGCTT CTAATTTATG GGGCATCCAA CCGGTACACT GGGGTACCTT CACGCTTCAG  
 70 80 90 100 110  
 TGGCAGTGGA TCTGGGACCG ATTTCAACCCT CACAATCAGC TCTCTGCAGC CAGATGAT

r13

10 20 30 40 50 60  
 TTTTCTCTAG AGCAAAAGTC TACTTACGTT TGACCTCCAC CTTGGTCCCC TGACCGAACG  
 70 80 90 100 110 120  
 TGAATGGATA GTTGTAAGTC TGTCCGCAGT AATAAGTGGC GAAATCATCT GGCTGCAGAG

FIGURE 57A

07 634278

rh20

10	20	30	40	50	60
TTTTTCTAGA	CCACCATGGG	ATGGAGCTGG	ATCTTTCTCT	TCCTCCTGTC	AGGTACCGCG
70	80	90	100	110	
GGCGTGCACT	CTCAGGTCCA	GCTTGTCCAG	TCTGGGGCTG	AAGTCAAGAA	ACCT

rh21

10	20	30	40	50	60
TTTTGAATTC	TCGAGACCCT	GTCCAGGGGC	CTGCCTTACC	CAGTTTATCC	AGGAGCTAGT
70	80	90	100	110	120
AAAGATGTAG	CCAGAAGCTT	TGCAGGAGAC	CTTCACGGAG	CTCCCAGGTT	TCTTGACTTC

A

rh22

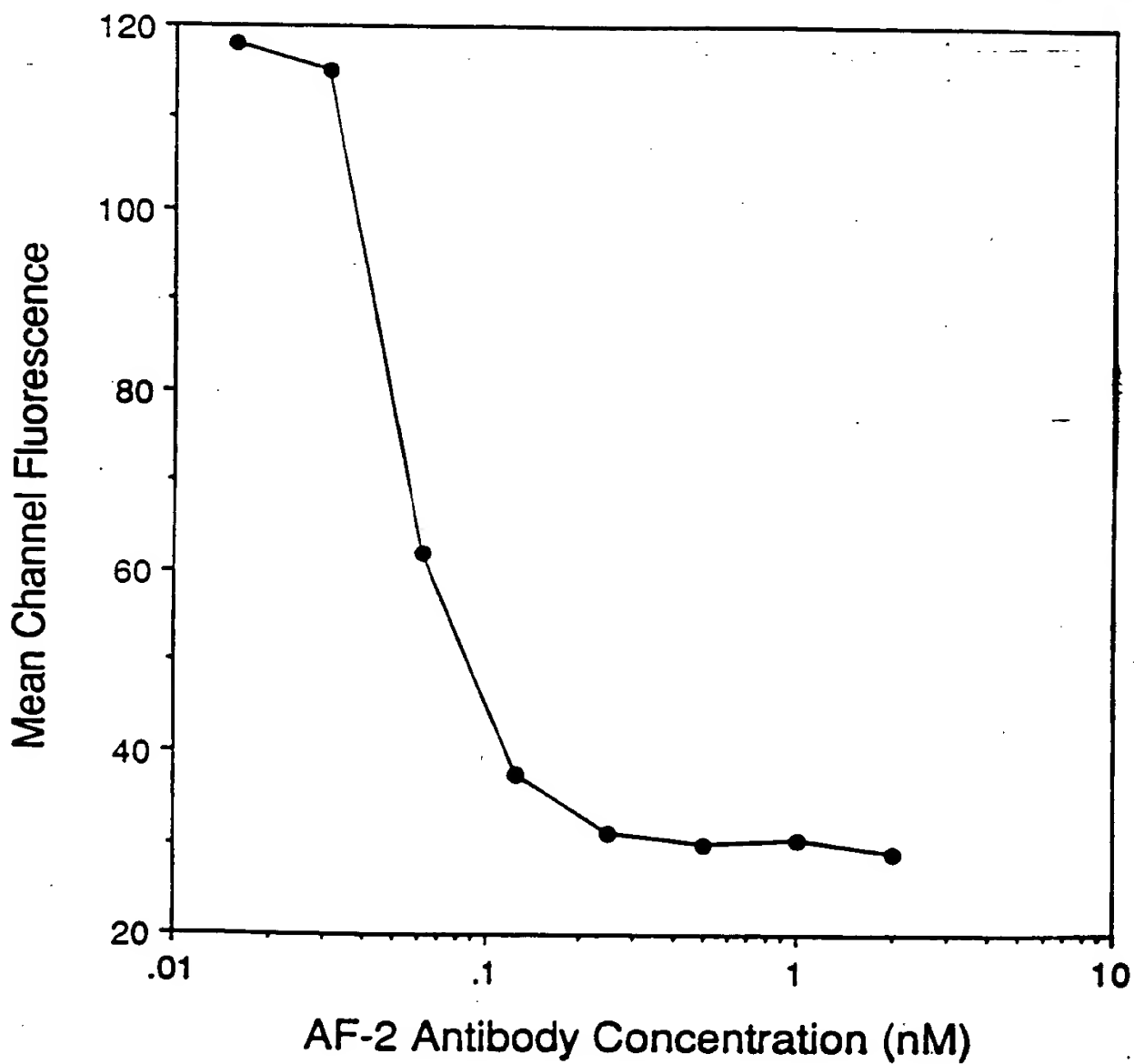
10	20	30	40	50	60
TTTTGAATTC	TCGAGTGGAT	GGGAAGGATT	GATCCTTCCG	ATGGTGAAGT	TCACTACAAT
70	80	90	100	110	120
CAAGATTTC	AGGACCGTGT	TACAATTACA	GCAGACGAAT	CCACCAATAC	AGCCTACATG
130					
GAACTGAGCA	GCCTGAG				

rh23

10	20	30	40	50	60
TTTTTCTAGA	GGTTTAAAGG	ACTCACCTGA	GGAGACTGTG	ACCAGGGTTC	CTTGGCCCCA
70	80	90	100	110	120
GTCAGCAAAC	CAGGGCAGAA	ATCCTCTTGC	ACAGTAATAG	ACTGCAGTGT	CCTCTGATCT
130					
CAGGCTGCTC	AGTT				

FIGURE 57B

Genotype	Age (yr)	Sex	Weight (kg)	Height (cm)	Body mass index (kg/m <sup>2</sup> )	Waist circumference (cm)	Waist-hip ratio	Visceral fat area (cm <sup>2</sup> )	Subcutaneous fat area (cm <sup>2</sup> )	Visceral-to-subcutaneous fat ratio
1	45	M	78	175	25.5	95	0.85	120	150	0.8
2	52	F	65	160	25.5	85	0.85	100	120	0.8
3	58	M	82	180	25.5	100	0.85	130	160	0.8
4	65	F	70	170	24.2	90	0.85	110	140	0.8
5	72	M	85	185	24.5	105	0.85	140	170	0.8
6	78	F	75	175	24.2	95	0.85	120	150	0.8
7	85	M	90	190	25.0	110	0.85	150	180	0.8
8	92	F	80	180	24.4	100	0.85	130	160	0.8
9	98	M	88	188	24.8	108	0.85	140	170	0.8
10	105	F	78	178	24.2	98	0.85	120	150	0.8



**FIGURE 58**